



XXVIIth CONGRESS OF THE EUROPEAN DIALYSIS AND TRANSPLANT ASSOCIATION - EUROPEAN RENAL ASSOCIATION

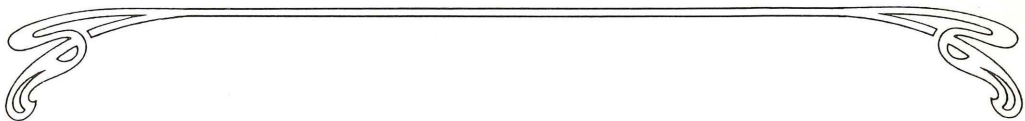
September 5 - 8, 1990

Vienna, AUSTRIA



HYGIEIA, 1900, KLJMT

THIRD ANNOUNCEMENT



MESSAGE OF WELCOME

On behalf of the local Organizing Committee we take pleasure in inviting you to attend the XXVIIth Congress of EDTA-ERA to be held in Vienna, Austria from Wednesday September 5 through Saturday September 8, 1990.

We feel truly privileged to host all members and guests of EDTA-ERA in Vienna for the second time.

As in 1973, we will do our utmost to ensure a high-level scientific programme covering all the different fields of nephrology, presenting guest lectures, workshops, free communications and poster sessions; likewise it is our endeavor to offer you an enjoyable social programme, including concerts (one of them with the Vienna Choir Boys), a performance at the Vienna State Opera, etc.

For accompanying persons we will provide stimulating sightseeing tours to many of the places known worldwide, such as Schoenbrunn Castle, Hofburg, Spanish Riding School, Capucine Vault, Museum of Fine Arts, Albertina (world's largest and most famous collection of graphic arts).

We do hope to make your stay in Vienna an unforgettable event — a substantive content to meet your highest expectations and opportunities to intensify existing friendships as well as chances to foster new ones.

We look forward to seeing you in Wien/Vienna in 1990.

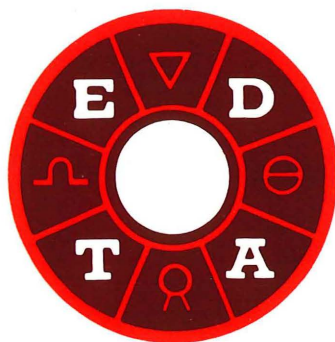
B. WATSCHINGER
Local President

H. K. STUMMVOLL
General Secretary



XXVIIth Congress of the European Dialysis and Transplant Association European Renal Association

**September 5—8, 1990
AUSTRIA CENTER VIENNA
AUSTRIA**



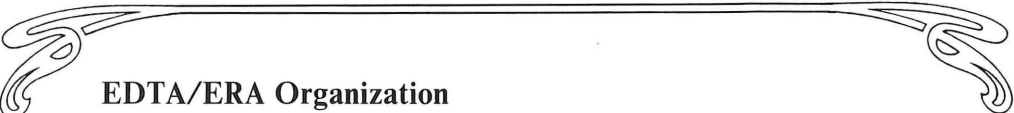
Important dates

Deadline for submission of abstracts	March 20, 1990
Notice of abstract acceptance	June, 1990
Deadline for early registration fee	June 1, 1990
Distribution of Third Announcement	End of June, 1990
Opening Ceremony	September 5, 1990
General Assembly	September 7, 1990

Contents

Page

Organization EDTA/ERA	3
Local Congress Organization and Congress Secretariats	4
Scientific Information	5
Paper selection committee	6
Advice for speakers	7
General Information	8
Travel Information	11
Vienna-Map (with Underground)	12
Hotel Accommodation	14
All-Inclusive Flight Arrangements	15
Social Events	16
Diuresis club / Golf tournament	18
Optional Tours	19
Post Congress Tours	24
Programme Overview	27
Scientific Programme	31
Satellite Symposia	119
Sponsors / Exhibitors	120



EDTA/ERA Organization

European Dialysis and Transplant Association -
European Renal Association Council

President

H. KLINKMANN, German Democratic Republic

Secretary/Treasurer

J. BOTELLA, Spain

Members

J. BERGSTRÖM, Sweden

H. BRYNGER, Sweden

D. CORDONNIER, France

J. P. GRÜNFELD, France

K. M. KOCH, Federal Republic of Germany

F. KOKOT, Poland

R. MAIORCA, Italy

F. VALDERRÁBANO, Spain

President of the XXVIIth Congress

B. WATSCHINGER, Austria

President of the XXVIIIth Congress

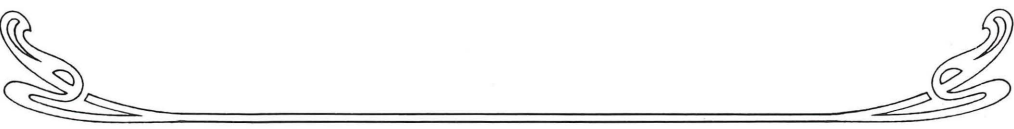
V. PETRONIČ, Yugoslavia

Editor of the Journal "Nephrology Dialysis Transplantation"

A. M. DAVISON, United Kingdom

Chairman of the Registration Committee

F. BRUNNER, Switzerland



Local Congress Organization

President

B. WATSCHINGER

General Secretary

H. K. STUMMVOLL

Local Organizing Committee

P. BALCKE

E. BALZAR

H. GRAF

J. KOVARIK

F. MEISL

E. ZIMMERMANN

National Scientific Committee

P. BREITENFELLNER

P. DITTRICH

H. EGERT

W. FRITZER

H. HOLZER

D. KERJASCHKI

P. KÖNIG

R. KRAMAR

U. NEYER

W. F. PINGGERA

H. POGGLITSCH

P. SCHMIDT

G. SYRE

J. ZAZGORNIK

Congress Secretariats

Scientific Secretariat

c/o Doz. Dr. STUMMVOLL

KH der Elisabethinen

4010 Linz, Fadingerstraße 1

Tel. (Austria) 732-27 64 64 / 393

Telefax (Austria) 732-27 64 64 / 350

Organizing Secretariat

EDTA-ERA Congress

c/o Wiener Medizinische

Akademie (WMA)

Alserstraße 4

A-1090 Wien, Austria

Cables: Medacad Wien

Tel. (Austria) 222-42 13 83-0

Telex (Austria) 134743 medak a

Telefax (Austria) 222-42 13 83 23

Scientific Information

English is the official language of EDTA/ERA Congress. There is no simultaneous translation.

The Congress will be concerned with General Nephrology, Renal Physiology, Dialysis and Renal Transplantation.

Main Topics

- Clinical nephrology
- Paediatric nephrology
- Acute renal failure, nephrotoxicity
- Chronic renal failure, progression of renal failure
- Immunology, immunopathology, pathology
- Atrial natriuretic peptide and other hormones
- Dialysis and other treatment modalities
- Biocompatibility
- β_2 mi and dialysis amyloidosis
- Ca, Al, Fe, PTH and renal bone disease
- Erythropoietin
- Transplantation

Guest Lectures

Lectures on the following topics will be given by internationally acknowledged specialists:

- Renal sodium and chloride transport: mechanisms of edema formation
- The Antiphospholipid Antibody Syndrome
- Provision of renal replacement therapy. An international overview.
- Present status of combined organ transplantation

Workshops

The following workshops have been arranged:

- Vitamin D and analogues in the treatment of renal osteodystrophy
- Experimental models of glomerulonephritis — clinical relevance
- Rapidly progressive glomerulonephritis — diagnosis and treatment
- Optimizing the use of cyclosporine after kidney transplantation
- Equitable graft allocation
- Diabetic nephropathy
- Nutrition and metabolism in renal disease
- Dialysis quality: status and perspectives
- Workshop on renal data registries

Free communications

Posters

Members of paper selection committee

Chairman: K. M. KOCH, FRG

Panel 1: Physiology / Pharmacology

Chairman: F. KOKOT, Poland

Referees: R. F. GREGER, FRG
C. AMIEL, France
E. J. DOORHOUT-MEES, Netherlands
J. BERNHEIM, Israel
I. TARABA, Hungary

Panel 2: Clinical Nephrology I

Chairman: J. P. GRÜNFELD, France

Referees: L. HERNANDO, Spain
B. STERZEL, FRG
A. REES, UK
A. DONKER, Netherlands
G. d'AMICO, Italy

Panel 3: Clinical Nephrology II

Chairman: D. CORDONNIER, France

Referees: E. RITZ, FRG
C. van YPERSELE, Belgium
J. Ph. MERY, France
J. D. WILLIAMS, UK
A. DAVISON, UK

Panel 4: Dialysis I

Chairman: J. BERGSTRÖM, Sweden

Referees: D. FALKENHAGEN, GDR
G. MAGGIORE, Italy
S. SHALDON, France
T. DRUEKE, France
U. BINSWANGER, Switzerland

Panel 5: Dialysis II

Chairman: R. MAIORCA, Italy

Referees: C. MION, France
E. QUELLHORST, FRG
R. GOKAL, UK
F. VALDERRABANO, Spain
T. E. WIDROE, Norway

Panel 6: Renal Transplantation

Chairman: H. BRYNGER, Sweden

Referees: U. FREI, FRG
P. McMASTER, UK
Y. PIRSON, Belgium
C. PONTICELLI, Italy
P. J. HÄYRY, Finland
D. FRIES, France

Advice for Speakers

Free communications

Time: The allotted time for free communications will be 10 minutes, followed by 5 minutes discussion. Speakers are requested to adhere strictly to the allotted time.

Slides: Slides must be 50 mm x 50 mm and must be fitted in glassed, plastic or metal frames. Paper frames are not acceptable. Kodak Carousel magazines will be used for all projections of slides. Please make sure that your slides are compatible with this system. Slides should be handed over to the technician in the slide preview room. He will carry then the slides to the lecture hall. Please collect your slides after the session at the „slide preview room“.

SLIDES MUST BE IN ENGLISH.

Slide room: Speakers will have the opportunity to preview their slides in a special room at the first floor. Follow signs „Slide Preview Room“.

Posters: Postersize will be: 0,95 m in width and 1,0 m in height.

The posters should remain mounted throughout the congress. The poster area (Foyer B and Foyer C) will be available as from Wednesday, September 5, 1990, 10.00 hrs. Chaired poster sessions will be held on the spot.

Publication

All submitted abstracts which conform to the instructions will be published in the Abstract book. Abstracts accepted for presentation at the congress will also appear in the Journal of the Association as part of the Proceedings of the Congress. In addition, authors are invited and encouraged to submit their final manuscript to be peer reviewed for publication in Nephrology Dialysis Transplantation. Manuscript to be submitted to:

Alex M. DAVISON
Editor, Nephrology Dialysis Transplantation
Department of Renal Medicine
St. James University
Beckett Street
Leeds LS9 7TF
United Kingdom

GENERAL INFORMATION

Congress Secretariats

Organizing Secretariat

Wiener Medizinische Akademie
(WMA) Alser Straße 4
A-1090 Wien, Austria
Cables: Medacad Wien
Phone: (Austria) 222/42 13 83-0
Telex: 134743 medak a
Telefax: (Austria) 222/42 13 83-23

Congress Venue

Austria Center
Am Hubertusdamm 6
A-1220 Wien, Austria

Scientific Secretariat

XXVIIth EDTA/ERA Congress
c/o Doz. Dr. A. K. STUMMVOLL
Krankenhaus d. Elisabethinen
Fadingerstraße 1
A-4010 Linz, Austria
Phone: (Austria) 732-27 64 64
Telefax: (Austria) 732-27 64 64 350

Official Travel Agency

MONDIAL-Congress
Faulmanngasse 4
A-1040 Wien, Austria
Phone: (Austria) 222/588 04-0
Telex: 111 668
Telefax: (Austria) 222/587 12 68

Registration fees

Fees in Austrian shillings (AS)
(8 AS = approx. 1 Swiss Franc)

Member

Non-member

Accompanying persons

Early registration	Late registration
(before June 1, 1990)	(after June 1, 1990)
AS 2.000	AS 3.000
AS 3.500	AS 4.000
AS 1.000	AS 1.000

Payment of registration fee entitles **delegates** to attend all scientific meetings, to receive the congress portfolio including all congress documents and the abstract book and to take part in the Symphonic Concert or the Organ Recital followed by a Welcome Reception.

Payment of registration fees entitles **accompanying persons** to attend the Symphonic Concert or the Organ Recital followed by a Welcome Reception and to join one city tour "Historical Vienna".

In addition registered **delegates** and **accompanying persons** are also invited to the Farewell Party. Due to organisatory reasons a nominal fee of AS 100,— per person will be charged for this event as indicated on the registration form. Only one person per registration will be invited. Additional tickets will be sold: AS 400,— per person.

❶ **NO bus transfers from the hotels will be arranged, but 4-days' tickets valid for all public means of transportation within Vienna will be provided.**

GENERAL INFORMATION (Continued)

Registration and Payment Procedures

All registrations must be made on the registration form or a photocopy of the form. No registration forms are accepted unless accompanied by full payment.

Collective remittances have to be accompanied by a list of names and details on payment for each person.

Deadline for late registration by mail is August 5, 1990. After this date registration may be made only on spot at the congress site during the official opening hours starting on Wednesday, September 5, 1989, 10.00 hrs.

All payments must be made in Austrian shillings (AS)

Your registration form should be sent to the **Organizing Secretariat** accompanied by either

- 1) an EUROCHEQUE (if all possible) or a bankers cheque payable to the order of WMA-EDTA/ERA 90 or
- 2) a copy of your remittance slip if the amount is paid by BANK TRANSFER.

Bank Transfers are to be sent to the following account:

WMA-EDTA/ERA 90

Account no.: 031-89295

Erste Österr. Spar-Casse Wien

All charges due on Bank Transfers have to be paid by the sender.

The name and address of the sender has to be clearly marked on every remittance.

Pending amounts:

Any difference arisen by the NON CORRECT application of the registrations fees, will be collected locally by the ORGANIZING SECRETARIAT.

If fees have been forwarded late and might not have been credited to the congress account, please, bring a copy of the transfer order with you.

GENERAL INFORMATION (Continued)

Cancellations:

Notification of cancellation must be in writing by registered letter, telex or telefax to the ORGANIZING SECRETARIAT.

The policy regarding the REFUND of registration fees will be as follows:

Cancellations received	before June 1, 1990	50% REFUND
	between June 1 and September 1, 1990	25% REFUND
	after September 1, 1990	NO REFUND

The date of the postmark will be used as basis for considering refunds. All refunds will be made **after** the congress. For a better handling of this item, delegates should state which way they prefer for receiving their refunds.

Changes of Registration and Names

A handling fee of AS 100,— will be charged for changes in registration. Changes in names are considered as cancellations and treated as new registrations. The handling fee will not be charged if the whole registration is cancelled.

Official letter of invitation

Official letters of invitation to the congress can be forwarded to participants on request. It should be noted, however, that by supplying these letters the Organizing Committee undertakes no obligation to pay any expenses incurred by participants.

Registration desk open hours

September 5, 1990	10.00—18.00
September 6 to September 8, 1990	8.00—18.00

Exhibition

An exhibition presenting dialysis technology, pharmaceutical products etc. located at the Austria Center immediately adjacent to the lecture halls and the luncheon areas will be held. The official opening of this exhibition will take place on Friday, September 7, 1990.

Coffee + Lunches will be served at the congress site.

Travel information

Air transport

Passengers from about 70 cities, ranging from North America to the Far East, from Scandinavia to South Africa, are flown directly to Vienna by 35 different air transport-companies. The Vienna Schwechat airport is about 16 km from the centre in the south-east. A special information desk for Congress participants will be located at the airport on Tuesday, Sept. 4 and Wednesday, Sept. 5.

Railway

Passengers from all over Europe may travel by train to Vienna. Vienna disposes of four main stations: Westbahnhof, Südbahnhof, Franz-Josefs-Bahnhof and Nordbahnhof. To offer a better service to their clients the Austrian Federal Railways have installed smaller stations where trains from abroad also stop before their arrival at the final station of destination. Since these small stations are directly connected with the underground (U-Bahn) and/or the high-speed railway (Schnellbahn) passengers may easily reach their hotel accommodations from these stations. Please show your hotel voucher to the conductor in the train. He will then inform you which of the stations is the most suitable for you to leave.

Local transportation

From the Vienna-Schwechat airport the hotels within the city can be reached by the „Schnellbahn“ (high speed railway), bus, taxi-cab or a rented car (approx. 30 minutes).

From the railway stations the City of Vienna can be reached by either the „Schnellbahn“ (high speed railway), or by the „U-Bahn“ (underground), by the tramway, by bus or taxi-cab.

All hotels as well as the Austria Center (congress venue), the „Musikverein“-Building, the Wiener Konzerthaus, the University and the State Opera may be reached by one of the public means of transportation as indicated above.

❖ **4 days' tickets valid for all public means of transportation will be available at the registration counter.**

Post

An official POST-OFFICE will be located at the congress venue.

❖ **Bank**

An official desk of the CREDITANSTALT-BANKVEREIN will be located at the congress venue.

❖ **Weather**

In September Vienna has mild weather. Average temperature between 17 and 21 degrees Celsius.

Hotels in alphabetical Order:

****-category:

Ambassador, Karlsplatz **U1 U2 U4**  ; 10 min.

Bristol, Karlsplatz **U1 U2 U4**  ; 5 min.

City Club, Vösendorf-Shopping City Süd  ; 6 min.

De France, Schottentor **U2**; 3 min.

Hilton, Landstraße (Wien Mitte) **U4**  **1**  **2**  **3**  **7**; 2 min.

Imperial, Karlsplatz **U1 U2 U4**  ; 5 min.

Intercontinental, Stadtpark **U4**; 2 min.

Parkhotel Schönbrunn, Schönbrunn **U4**; 8 min.

Plaza, Schottentor **U2**; 5 min.

Ramada, Meidling Hauptstraße **U4**; 2 min.

SAS Palais, Stadtpark **U4**; 10 min.

****-category

Alba, Kettenbrückengasse **U4**; 10 min.

Ananas, Pilgramgasse **U4**; 5 min.

Astoria, Karlsplatz **U1 U2 U4**; 8 min.

Austrotel, Mariahilfer Straße/Westbahnhof **U6**  **3**  **50**; 10 min

Biedermeier, Landstraße (Wien Mitte) **U4**  **1**  **2**  **3**  **7**; 10 min.

Europa, Karlsplatz **U1 U2 U4**  ; 10 min.

Hungaria, Rennweg  **1**  **2**  **3**  **7**; 5 min.

Josefshof, Rathaus **U2**; 8 min.

Kummer, Mariahilfer Straße/Neubaugasse: Tram 52, 58; Bus 13A, 14A; 3 min.

Penta, Ungargasse: Tram O; Bus 4A; 5 min.

Pullman Belvedere, Karlsplatz **U1 U2 U4**; 10 min.

Regina, Schottentor **U2**; 6 min.

Reichshof, Praterstern-Wien Nordbf. **U1**  **1**  **2**  **3**  **7**; 10 min.

Scandic Crown, Vorgartenstraße **U1**; 10 min.

Schneider, Karlsplatz **U1 U2 U4**  ; 7 min.

***-category:

Academia, Lerchenfelder Straße **U2**; 12 min.

Alpha, Schottentor **U2**; 15 min.

Atlas, Lerchenfelder Straße **U2**; 8 min.

Avis, Alser Straße **U6**; 6 min.

Fürst Metternich, Neubaugasse: Tram 52, 58, Bus 13A, 14A; 5 min.

Haus Döbling, Nußdorfer Straße **U6**; 12 min.

Haus Vindobona, Skodagasse: Tram 5; 2 min.

Ibis, Mariahilfer Straße/Westbahnhof **U6**  **3**  **50**; 8 min.

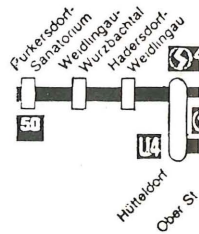
Novotel Airport, Flughafen Wien-Schwechat  **7**; 8 min.

Post, Schwedenplatz **U1 U4**; 10 min.

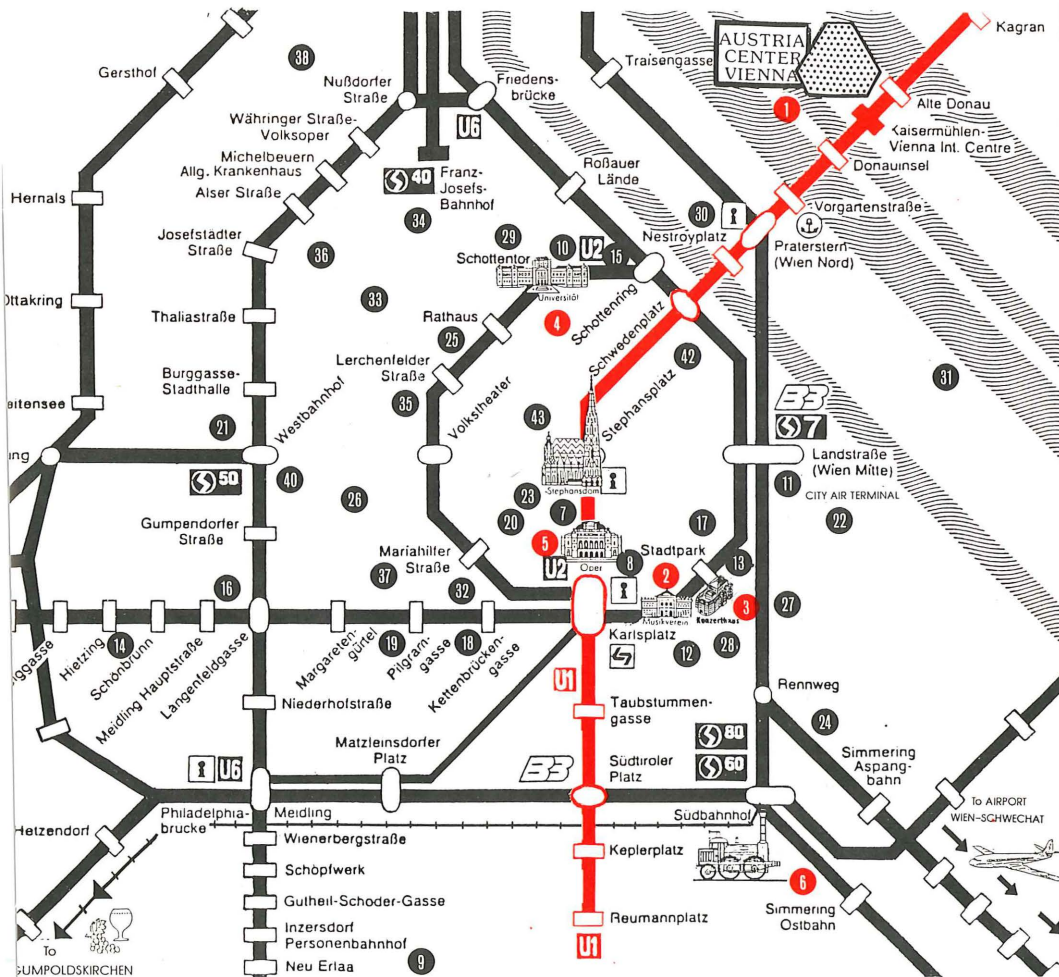
Wandl, Stephansplatz **U1**; 5 min.

U1 is the only direct underground connection to the Austria Centre.

The names in parentheses indicate the underground station next to your hotel, U1, U2 etc. are the numbers of the underground lines, located there numbers after the semicolon indicate how many minutes it will take you to reach this station or the suburban service. **Please**, be aware that the underground is the **most quick** connection even if you have to change lines once or twice.



- ❶ Austria Center Vienna
- ❷ Musikverein
- ❸ Konzerthaus
- ❹ University
- ❺ State Opera
- ❻ Southern Station



U underground service

S suburban service

L local service Vienna—Baden

Hotel Accommodation

MONDIAL CONGRESS, Faulmannngasse 4, A-1040 Vienna/Austria, Tel.: (+43) 222/58 804-0, Telex: 613221519 or 111668, Telefax: (+43) 222/587 12 68, has reserved a sufficient number of rooms in different hotel categories for the participants of this congress. Kindly refer to the table below in your selection of a hotel category. Please use the attached registration form.

Category	Single room	Double room
*****	AS 1.900,— to 3.440,—	AS 2.800,— to 4.380,—
****	AS 1.100,— to 1.860,—	AS 1.600,— to 2.050,—
***	AS 620,— to 1.050,—	AS 800,— to 1.540,—

The daily room rates are quoted in Austrian shillings and include continental breakfast, service charges and local taxes.

We kindly ask you to provide us with a deposit of AS 1.500,— for a single room and AS 3.000,— for a double room to secure your hotel reservation.

Terms of payment:

1. Remittance to the bank account no.: 031-89295 at the Erste österreichische Sparcasse, Vienna — no charge to be made to the beneficiary.
2. Send a Euro-cheque together with your registration form to the organizing secretariat (WMA).

The hotel voucher will be sent to you after receipt of the deposit, approx. 3 weeks prior to the congress. The balance between the voucher and your total invoice at the hotel has to be paid directly to the hotel.

Terms of cancellation:

In case of cancellation or alteration a minimum fee of AS 500,— per person will be charged. For cancellation less than 4 weeks prior to the congress the hotel deposit will be forfeited. Only written cancellation or alterations can be accepted.

DEADLINE FOR BOOKINGS: AUGUST 5, 1990

All-Inclusive Flight Arrangements

MONDIAL CONGRESS, in co-operation with Austrian Airlines and other IATA carriers, can offer economical all-inclusive flight arrangements to the participants of this congress.

These arrangements include the following services: Round-trip, economy class on regular flights, 20 kg (44 lbs) baggage allowance, 4 nights accommodation at Hotel Penta (**** category) in double rooms with private bath, including continental breakfast, service charges, local taxes and transfer from the airport to the hotel and vice versa.

Arrival:
September 5, 1990 (Wednesday)

Departure:
September 9, 1990 (Sunday)

Place of Departure

Hotel Penta (****)

Amsterdam	AS 9.990,—
Athen	AS 8.400,—
Brussels	AS 9.990,—
Copenhagen	AS 9.100,—
Frankfurt	AS 8.820,—
Helsinki	AS 13.260,—
Lisbon	AS 11.890,—
London	AS 9.650,—
Madrid	AS 11.810,—
Munich	AS 7.370,—
Oslo	AS 12.020,—
Paris	AS 9.360,—
Rome	AS 10.340,—
Stockholm	AS 12.130,—
Zurich	AS 8.890,—
Single room supplement for 4 nights	AS 2.600,—

Terms of cancellation:

These arrangements are based on PEX-fares. Flight changes are not possible. In case of cancellation no refund can be made.

All rates are quoted in Austrian shillings and based on flight tariffs and exchange rates per November 1, 1989. Prices are subject to alteration.

DEADLINE FOR BOOKINGS: AUGUST 5, 1990

SOCIAL EVENTS

Wednesday, September 5, 1990 19.00 hrs.

Symphonic concert at the Large Hall of the „MUSIKVEREIN“ (well known from the annual telecasts of the New Year's Concert of the Vienna Philharmonic Orchestra). As ALTERNATIVE PROGRAMME to the Symphonic Concert the Local Committee offers an ORGAN RECITAL at the WIENER KONZERTHAUS, a concert hall where milestones in musical history were produced. Solo: Professor Dr. Hans HASELBÖCK, Austrian's most famous organist.

21.00 hrs. INFORMAL WELCOME RECEPTION
at the UNIVERSITY OF VIENNA

upon invitation by the Mayor of the City of Vienna.

**PLEASE REGISTER already on WEDNESDAY, SEPTEMBER 5, 1990,
since the tickets you need for admission to the**

**SYMPHONIC CONCERT
ORGAN RECITAL
WELCOME RECEPTION**

will be distributed at the registration counter in the Austria Center only.

Thursday, September 6, 1990 19.00 hrs.

VIENNA STATE OPERA: Special performance for the congress: Richard Strauß „Der Rosenkavalier“. (The programme may be subject to alteration)

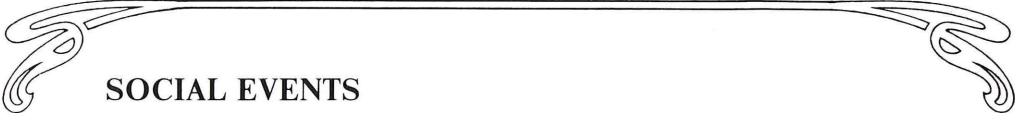
Optional price per ticket: from AS 400 to AS 2.200,—

Category I (price per ticket between 1.200,— and 2.200,—)

Event M1: deposit per ticket: AS 1.000,—

Category II (price per ticket between 500,— and 1.200,—)

Event M2: deposit per ticket: AS 400,—



SOCIAL EVENTS

Friday, September 7, 1990 20.00 hrs.

VIENNA BOYS CHOIR: Special Concert for the congress at the „Musikverein“

Price per ticket between AS 250,— and 400,—

Event P 2: deposit per ticket: AS 200,—

Saturday, September 8, 1990 approx. 18.30 hrs.: Departure by train

FAREWELL PARTY at GUMPOLDSKIRCHEN:

a typical Viennese wine village, where one of the most famous Austrian wines is grown.

Within the party the SECOND MEETING OF THE DIURESIS CLUB GUMPOLDSKIRCHEN (founded in 1973) will be held.

Delegates and accompanying persons are invited to this party. We ask, however, for their kind understanding, that due to organisatory reasons a nominal fee of AS 100,— per person has to be charged.



We invite you to join the second meeting of the

DIURESIS . . . CLUB

E.D.T.A. VIENNA 1990

GUMPOLDSKIRCHEN

on Saturday, September 8th, 1990, 20.00 hrs.

Participants wearing their T-shirts from the Xth EDTA-Congress 1973, Vienna at the Diuresis Club Meeting within the Farewell Party in Gumpoldskirchen will be specially awarded (This award is sponsored by Cilag Chemie).

We are pleased to announce that the

1st EDTA golf tournament

will be held on the occasion of the XVIIth EDTA-Congress
September 5th, 1990, Vienna, Austria (i.e. day of registration)

Location: Freudenau, the premiere Golf-course in Vienna

As the number of participants is limited, early application is requested.
Guests participating, will be charged a nominal green fee

Your application should be made directly to the local organizers

R. Kramar
Krankenhaus Wels
Postfach 144
A-4600 Wels

H. Graf
II. Med. Univ.-Klinik
Garnisongasse 13
A-1090 Vienna

OPTIONAL TOURS

City tour „Historical Vienna“

This tour will show you some of Vienna's most impressive buildings, including the celebrated Ringstrasse with the State Opera House, the National Museum, the Parliament, the City Hall, the „Burgtheater“, the University and the Votive Church. Highlight of this tour is a visit to the Palace of Schönbrunn, the former residence of the Austrian Emperors.

Departure: City Air Terminal (Hotel Hilton)

Duration of this tour: approx. 3 hours

Price per person including bus, guide and entrance fees: AS 270,—
(included in the registration fee for accompanying persons)

Tour I 1: Thursday, September 6, 1990 — 2:00 p.m.

Tour I 2: Friday, September 7, 1990 — 2:00 p.m.

Tour I 3: Saturday, September 8, 1990 — 9:00 a.m.

Art Nouveau in Vienna

During this tour you will become acquainted with some of the most important and well-known buildings of the „Art Nouveau“ era in Vienna, as well as some of its great architects, e. g. Otto Wagner. Highlight of the tour is a visit to the „Kirche am Steinhof“ which has been only recently excellently restored. This tour ends at the City Air Terminal.

Departure: City Air Terminal (Hotel Hilton)

Duration of this tour: approx. 3 hours

Price per person including bus, guide and entrance fees: AS 270,—

Tour F 1: Thursday, September 6, 1990 — 9:00 a.m.

Tour F 3: Saturday, September 8, 1990 — 9:00 a.m.

„Classical Vienna“ — Stroll through the Hofburg

Visit to the Imperial Treasury, which houses the Crown of the Holy Roman Empire and the Austrian Imperial Crown, followed by a walk through the magnificent hall of the National Library. Closing up this tour we will walk through the Hofburg, the former winter residence of the Habsburg family.

Meeting point: Michaelerplatz / Inneres Burgtor

Duration of this tour: approx. 2,5 hours

Price per person including guide and entrance fees: AS 290,—

Tour E 1: Thursday, September 6, 1990 — 9:30 a.m.

Tour E 2: Friday, September 7, 1990 — 9:30 a.m.

Art Nouveau Glass and Furniture:

Crafts and design in Vienna around 1900

Explore with us the glittering world of historic glassware exhibited in the famous Lobmeyr Glass Museum, as well as the world of turn-of-the-century textiles and furniture at Backhausen's and Thonet's.

Meeting point: Michaelerplatz / Inneres Burgtor

Duration of this tour: approx. 3 hours

Price per person including guide: AS 210,—

Tour K 1: Thursday, September 6, 1990 — 2:00 p.m.

Tour K 2: Friday, September 7, 1990 — 2:00 p.m.

City Walk and the Imperial Vault

Passing through the Kohlmarkt one of our first stops will be made at the Trinity Column on the Graben. We then continue to St. Stephen's Cathedral and the old part of the city, situated directly behind the cathedral. Following a walk down the Kärntner Strasse and a visit to the Imperial Vault, burial place of the Habsburgs and the last Empress Zita, this tour ends at the State Opera House.

Meeting point: Michaelerplatz / Inneres Burgtor

Duration of this tour: approx. 2 hours

Price per person including guide and entrance fees: AS 160,—

Tour J 1: Thursday, September 6, 1990 — 2:00 p.m.

Tour J 2: Friday, September 7, 1990 — 2:00 p.m.

Tour J 3: Saturday, September 8, 1990 — 2:00 p.m.

Medical Vienna

Visit to the Institute of the History of Medicine (Josephinum) and the Sigmund Freud Museum. As the main beneficiary following the foundation of the Institute of the History of Medicine by Emperor Joseph II, the Institute has in its possession a unique collection of anatomical wax models from the school of Felice Fontana, which contains over 1.000 specimens. Since 1920, under the chairmanship of Max Neuburger, the Institute has continuously furnished its museum with memorials of Van Swieten, J. P. Frank, Auenbrugger, F. J. Gall, Hyrtl, Rokitansky, Skoda, Semmelweis, Billroth, Pirquet, Wagner-Jauregg, Landsteiner, and S. Freud, amongst others. Afterwards visit to the Sigmund Freud Museum, which is located in the completely preserved apartment where Sigmund Freud lived. The tour ends here.

Departure: City Air Terminal (Hotel Hilton)

Duration of this tour: approx. 3 hours

Price per person including bus transfer, guide and entrance fees: AS 260,—

Tour H 1: Thursday, September 6, 1990 — 9:00 a.m.

Tour H 2: Friday, September 7, 1990 — 9:00 a.m.

In the footsteps of Joseph Haydn

The bus will take you from Vienna to Eisenstadt, where you will visit the Haydn Mausoleum. A Haydn quartet will perform a half-hour concert before lunch, then the journey continues to Rohrau, the village where Joseph Haydn was born. Visit to the birthplace of this famous Austrian composer and to the museum. Return to Vienna. Tour ends at the City Air Terminal.

Departure: City Air Terminal (Hotel Hilton)

Duration of this tour: approx. 7,5 hours

Price per person including bus, lunch, guide and entrance fees: AS 650,—

Tour N 2: Friday, September 7, 1990 — 8:30 a.m.

Spanish Riding School

Take the opportunity to see a special performance by the famous Lipizzaner Horses in the impressive baroque riding hall of the Spanish Riding School.

Tickets range from AS 250,— to AS 700,—

Deposit per ticket: AS 250,—

Event Q 3: Saturday, September 8, 1990 — 10:00 a.m.

Panorama tour

This tour shows you the Danube and takes you through the romantic little villages of Nussdorf and Grinzing to the top of the Kahlenberg hill, from where you have a magnificent view over Vienna. Continuing to Klosterneuburg you will pay a visit to the Augustinian Abbey with the world-famous „Verduner Altar“. Before returning to Vienna we will stop for coffee and cake. The tour ends at the City Air Terminal.

Departure: City Air Terminal (Hotel Hilton)

Duration of this tour: approx. 3 hours

Price per person including bus, guide, entrance fee, coffee and cake: AS 310,—

Tour O 2: Friday, September 7, 1990 — 2:00 p.m.

Tour O 3: Saturday, September 8, 1990 — 2:00 p.m.

Excursion to the Wachau valley

This excursion takes us from Vienna to Mauer, where we will visit the world-famous carved wooden altar. The journey then continues to Melk where a visit will be made to the magnificent Benedictine monastery, an outstanding example of baroque architecture. Lunch in the neighbouring tavern, then travel by boat from Melk to the picturesque village of Dürnstein, where Richard the Lionheart was held prisoner. Time to stroll through the village before returning by coach to Vienna. Tour ends at the City Air Terminal.

Departure: City Air Terminal (Hotel Hilton)

Duration of this tour: approx. 9,5 hours

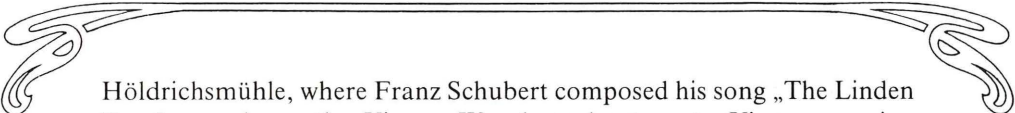
Price per person including bus, boat trip, lunch, guide and entrance fees: AS 790,—

Tour D 1: Thursday, September 6, 1990 — 8:00 a.m.

Tour D 2: Friday, September 7, 1990 — 8:00 a.m.

Vienna Woods — Mayerling

A half day excursion which shows you not only the most beautiful sights surrounding Vienna, but also the pleasant scenery of the Vienna Woods. Passing the old Roman City of Baden, famous for its thermal springs, we take you to the romantic Helenental and the former hunting lodge, at Mayerling. Today a commemorative chapel, this is where Crown Prince Rudolph, the only son of Emperor Franz Joseph, is said to have committed suicide with Baroness Vetsera in 1889. In the Cistercian Abbey of Heiligenkreuz (1133) you will visit the Gothic cloister which still houses the remains of the last members of the Babenberg dynasty. Driving by the



Höldrachsmühle, where Franz Schubert composed his song „The Linden Tree“, you leave the Vienna Woods and return to Vienna, passing Liechtenstein castle on the way. End of this tour at the City Air Terminal.

Departure: City Air Terminal (Hotel Hilton)

Duration of this tour: approx. 4 hours

Price per person including bus, guide and entrance fees: 320,—

Tour L 1: Thursday, September 6, 1990 — 1:30 p.m.

Tour L 3: Saturday, September 8, 1990 — 1:30 p.m.

„How to bake an apple strudel“

Discover the art of baking a real Viennese apple strudel and afterwards enjoy this famous Viennese dessert with a cup of tea or coffee.

Meeting point: Hotel Hilton, 1st floor

Duration: approx. 2 hours

Price per person including apple strudel and coffee: AS 240,—

Event S 3: Saturday, September 8, 1990 — 2:00 p.m.

Augarten porcelain

Visit to the famous Augarten porcelain factory in Vienna. On the way you will see the Giant Ferris Wheel and the „Hundertwasser“-house.

Departure: City Air Terminal (Hotel Hilton)

Duration of this tour: approx. 3 hours

Price per person including bus, guide and entrance fee: AS 210,—

Tour G 1: Thursday, September 6, 1990 — 9:00 a.m.

Tour G 2: Friday, September 7, 1990 — 9:00 a.m.

Ride in a horse-drawn carriage (Fiaker)

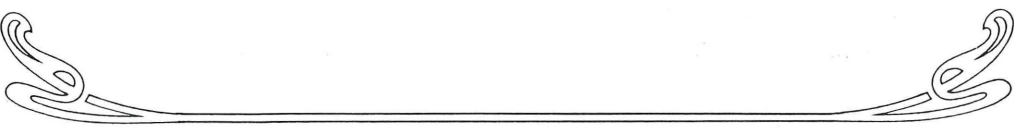
Experience what it is like to ride in a real Viennese „Fiaker“! The drive through the centre of the city and along the Ringstraße lasts one hour.

Meeting point: Josefsplatz, entry of the Spanish Riding School

Duration of this tour: 1 hour

Price per person: AS 300,—

Tour R 3: Saturday, September 8, 1990 — 11:00 a.m.



Post Congress tours

Budapest — 3 days

Sunday, September 9, 1990

Departure from Vienna to Győr where we will have lunch. Journey continues to Esztergom, an ancient royal seat and still the ecclesiastical centre of Hungary. Visit to the cathedral. See also the town of Visegrad with its unforgettable panorama of the Danube Bend and continue to the medieval artists village of Szentendre where you will visit the old city with its many stores and galleries. Arrival in Budapest. Dinner at a typical Hungarian restaurant.

Monday, September 10, 1990

After breakfast city tour with a visit to all of the important monuments and sights of Budapest, including Heroes' Square with its Millenary Monument, the Opera House, the Parliament, the Citadel on top of Mount St. Gellert with its breathtaking panorama, the Castle District with St. Matthew's Church and the picturesque Fishermen's Bastion. Lunch. In the afternoon time free for shopping. In the evening opera or concert performance depending on programme.

Tuesday, September 11, 1990

In the morning visit to the National Museum and the Museum of Fine Arts. After lunch return to Vienna via the airport Vienna-Schwechat (arrival approx. 16:30). Tour ends at the City Air Terminal at approx. 17:00.

Departure: City Air Terminal (Hotel Hilton)

Price per person including bus, guide, entrance fees, 3 lunches, 1 dinner, 1 opera or concert ticket, 2 nights' accommodation at a first class hotel with continental breakfast: AS 4.000,—
single room supplement: AS 900,—

Tour T 1: Sunday, September 9, 1990 — 9:00 a.m. till

Tuesday, September 11, 1990 — approx. 5:00 p.m.

Austria tour — 4 days

Sunday, September 9, 1990

Leaving Vienna on the Westautobahn our first stop will be made in Gmunden for lunch. Further stops will be made in Bad Ischl, the former residence of Emperor Franz Joseph I, and in the picturesque town of St. Wolfgang for a coffee break at the famous „White Horse Inn“. Journey continues to Salzburg. Dinner. Overnight in hotel.

Monday, September 10, 1990

After breakfast sightseeing tour of Salzburg, including Mozart's birthplace, the Getreidegasse with its quaint wrought iron signs, the Cathedral, the Residence and the Mirabell Gardens. Lunch. In the afternoon you will have time to explore this beautiful city on your own. In the evening visit to a theatre or concert, depending on the programme.

Tuesday, September 11, 1990

After breakfast departure from Salzburg. The tour continues via the exclusive ski-resort of Kitzbühel to Rattenberg, the oldest Tyrolean town, which has still preserved its medieval character and which is today famous for its glass-cutting industry. After lunch continue to Innsbruck. City tour with visit to the Imperial Church and the city's famous landmark, the „Little Golden Roof“. Tyrolean evening with dinner.

Wednesday, September 12, 1990

Return journey from Innsbruck to Vienna, passing through Germany. After lunch visit to the splendid baroque abbey of St. Florian. Arrival in Vienna at approx. 16:30 at the City Air Terminal or 17:00 at the airport Vienna-Schwechat.

Departure: City Air Terminal (Hotel Hilton)

Price per person including bus, guide, entrance fees, 4 lunches, 2 dinners, 1 opera or concert ticket, 3 nights' accommodation at a first class hotel with continental breakfast: AS 5.800,—
single room supplement: AS 1.200,—

Tour T 2: Sunday, September 9, 1990 — 9:00 a.m. till

Wednesday, September 12, 1990 — approx. 5:00 p.m.

SCIENTIFIC PROGRAMME			GENERAL OVERVIEW	
WEDNESDAY, SEPT. 5, 1990				
	19:00 OPENING CONCERT “Konzerthaus”		21:00 WELCOME RECEPTION University of Vienna	
TIME @ HALLS ≥	08:30 - 10:00	10:30 - 12:00	13:30 - 15:00	15:30 - 17:00
THURSDAY, SEPT. 6, 1990				
Hall A	08:30 - 09:00 OPENING 09:00 - 10:30 Registry Reports	11:00 - 12:00 Guest Lectures 1 and 2	HALL D Free Communications	HALL D Workshop 1
Hall B		11:00 - 12:00 Guest Lectures 3 and 4	Free Communications	Free Communications
Hall C			Free Comm.	Free Comm.
Hall G/H			Free Comm.	Free Comm.
Hall I/K			Free Comm.	Free Comm.
Poster F.			Poster Session 1	Poster Session 2
FRIDAY, SEPT. 7, 1990				
Hall D	Workshop 8	Workshop 2	Workshop 3	Workshop 4
Hall B	Free Comm.	Free Comm.	Free Comm.	Free Comm.
Hall C	Free Comm.	Free Comm.	Free Comm.	Free Comm.
Hall G/H	Free Comm.	Free Comm.	Free Comm.	Free Comm.
Hall I/K	Free Comm.	Free Comm.	Free Comm.	Free Comm.
Poster F.	Poster Session 3	Poster Session 4	Poster Session 5	Poster Session 6
				17:15 - 18:15 — HALL D GENERAL ASSEMBLY
SATURDAY, SEPT. 8, 1990				
Hall D	Workshop 7	Workshop 6	Workshop 5	Workshop 9
Hall B	Free Comm.	Free Comm.	Free Comm.	Free Comm.
Hall C	Free Comm.	Free Comm.	Free Comm.	Free Comm.
Hall G/H	Free Comm.	Free Comm.	Free Comm.	Free Comm.
Hall I/K	Free Comm.	Free Comm.	Free Comm.	Free Comm.
Poster F.	Poster Session 7	Poster Session 8	Poster Session 9	

SCIENTIFIC PROGRAMME			THURSDAY, SEPT. 6, 1990	
TIME ® HALLS ≥	08:30 - 10:30	11:00 - 12:00	13:30 - 15:00	15:30 - 17:00
Hall A (in the afternoon) Hall D	08:30 - 09:00 OPENING 09:00 - 10:30 EDTA Registry Reports I, II, III	Guest Lectures • New Aspects of Na and Cl Transport Mechanisms of Edema Formation • The primary Antiphospho- lipid Syndrome	Free Communications Progression of Renal Failure	Workshop 1 Vitamin D and Analogues in the Treatment of Renal Osteodystrophy
Hall B		Guest Lectures • Provision of Renal Replace- ment Therapy • Present Status of Combined Organ Transplantation	Free Communications Diabetic Nephropathy	Free Communications Hemodialysis, Nutrition
Hall C			Free Communications Mineral Metabolism	Free Communications Biocompatibility, Cytokines, Endotoxin
Hall G/H			Free Communications Hypertension	Free Communications Clinical Nephrology
Hall I/K			Free Communications Experimental Glomerulo- nephritis	Free Communications Hepatitis
Poster Foyer B and C			Poster Session 1 Hemodialysis	Poster Session 2 • Immunology, • Clinical Aspects in Renal Transplantation

SCIENTIFIC PROGRAMME				FRIDAY, SEPT. 7, 1990
TIME ® HALLS ≥	08:30 - 10:00	10:30 - 12:00	13:30 - 15:00	15:30 - 17:00
Hall D	Workshop 8 Dialysis Quality	Workshop 2 Experimental Modells of Glomerular Disease	Workshop 3 Rapidly Progressive Glomerulo- nephritis	Workshop 4 Optimizing The Use of CyA after Kidney Transplantation
Hall B	Free Communications Renal Physiology, Pharmacology	Free Communications CAPD	Free Communications Hemodialysis: Cardiovascular Issues	Free Communications Uremia: Metabolism and Coagulation
Hall C	Free Communications IgA Glomerulo- nephritis	Free Communications Lipids in Renal Disease	Free Communications Endothelin	Free Communications ANP
Hall G/H	Free Communications Infection and Immunology in Renal Transplantation	Free Communications Cystic Kidney Disease	Free Communications B2M and Dialysis Related Amyloidosis	Free Communications Erythropoietin
Hall I/K	Free Communications Pediatric Nephrology	Free Communications B2M and Dialysis Related Amyloidosis	Free Communications Immunosup- pression and Sensitization in Renal Transplantation	Free Communications Experimental Studies on Mesangial Cells and GBM
Poster Foyer B and C	Poster Session 3 Erythropoietin	Poster Session 4 • Renal Bone Disease • Hemodialysis, Vascular Access	Poster Session 5 • Progression of Renal Failure • Uremia • Chronic Renal Failure	Poster Session 6 • Clinical Nephrology • Hemodialysis: Biocompatibility
GENERAL ASSEMBLY				Hall D, 17:15 - 18:15

SCIENTIFIC PROGRAMME				SATURDAY, SEPT. 8, 1990
TIME ® HALLS ≥	08:30 - 10:00	10:30 - 12:00	13:30 - 15:00	15:30 - 17:00
Hall D	Workshop 7 Nutrition in Renal Disease	Workshop 6 Progression of Diabetic Nephropathy	Workshop 5 Equitable Graft Allocation	Workshop 9 WS on Renal Data Registries
Hall B	Free Communications Mineral Metabolism	Free Communications Glomerulo-nephritis	Free Communications Diabetic Nephropathy	Free Communications Hemodialysis, Nutrition
Hall C	Free Communications Hemodialysis: Urea Kinetics	Free Communications Hemodialysis: Clinical Issues	Free Communications Hypertension	Free Communications Clinical Experiences in Renal Transplantaion
Hall G/H	Free Communications Erythropietin	Free Communications Progression of Renal Failure	Free Communications Dialysate Buffers	Free Communications Mineral Metabolism
Hall I/K	Free Communications CAPD	Free Communications CAPD	Free Communications Biocompatibility	Free Communications Cell Adhesion Molecules
Poster Foyer B and C	Poster Session 7 • Acute Renal Failure • Hypertension • Diabetic Nephropathy • ANF	Poster Session 8 • Infection, • Immuno-suppression in Renal Transplantation	Poster Session 9 Glomerulo-nephritis	
evening programme: Farewell Party — Gumpoldskirchen (see page 17)				

Thursday, Sept. 6
08:30 - 09:00

Hall A

OFFICIAL OPENING

Thursday, Sept. 6
09:00 - 10:30

Hall A

**COMBINED REPORT ON REGULAR DIALYSIS AND
TRANSPLANTATION IN EUROPE XX**

Chairmen: H. Klinkmann (GDR), B. Watschinger (Austria)

**COMBINED REPORT ON REGULAR DIALYSIS AND
TRANSPLANTATION IN EUROPE, 1989, Part I**

BRUNNER,F.P.; Brynger,H.; Ehrich,J.H.H.; Fassbinder,W.; Geerlings,W.;
Raine,A.E.G.; Rizzoni,G.; Selwood,N.H.; Tufveson, G.
EDTA Registry

**COMBINED REPORT ON REGULAR DIALYSIS AND
TRANSPLANTATION IN EUROPE, 1989, Part II**

Brunner,F.P.; Brynger,H.; Ehrich,J.H.H.; FASSBINDER,W.; Geerlings,W.;
Raine,A.E.G.; Rizzoni,G.; Selwood,N.H.; Tufveson, G.
EDTA Registry

**COMBINED REPORT ON REGULAR DIALYSIS AND
TRANSPLANTATION IN CHILDREN IN EUROPE, 1989**

EHRICH,J.H.H.; Brunner,F.P.; Brynger,H.; Fassbinder,W.; Geerlings,W.;
Raine,A.E.G.; Rizzoni,G.; Selwood,N.H.; Tufveson, G.
EDTA Registry

Thursday, Sept,6

11:00 - 11:30

Hall A

GUEST LECTURES

Chairmen: A. Kennedy (UK), B. Watschinger (Austria)

GUEST LECTURE 1

**NEW ASPECTS OF SODIUM AND CHLORIDE TRANSPORT
MECHANISMS OF EDEMA FORMATION.**

G. Giebisch

GUEST LECTURE 2

THE PRIMARY ANTIPHOSPHOLIPID SYNDROME.

G.R.V. Hughes

Thursday, Sept. 6

11:00- 11:30

Hall B

GUEST LECTURES

Chairmen: P. Legrain (France), K.M. Koch (FRG)

GUEST LECTURE 3

**PROVISION OF RENAL REPLACEMENT THERAPY FOR END-
STAGE RENAL FAILURE; ACHIEVEMENTS AND PERSPECTIVES
AT ENTERING THE 4TH DECADE.
AN INTERNATIONAL OVERVIEW.**

C. Jacobs

GUEST LECTURE 4

PRESENT STATUS OF COMBINED ORGAN TRANSPLANTATION.

H. Brynger

Thursday, Sept. 6

13:30 - 17:00

Hall B

FREE COMMUNICATIONS

CYCLOSPORINE A: NEPHROTOXICITY, VASCULAR EFFECTS

Chairman: A. Meyrier (France)

CYCLOSPORINE (Cy) NEPHROTOXICITY IN PATIENTS WITH IDIOPATHIC UVEITIS.

BENHMIDA,M.; Deray,G.; Le Hoang,P.; Bitker,M.O.; Baumelou,A.; Jacobs,C. Hop. Pitie-Salpetriere, Paris, France.

CICLOSPORINE A (CsA) LONG TERM TREATMENT THERAPY IN AUTOIMMUNE DISEASES (AD) WITHOUT NEPHROTOXICITY(N).

CANTAROVICH,F.; Cantarovich,M.; Tizado,J.; Vivas,N.; Mokfali,P.; Murua,D.; Gonzalez,E.; O'Brien,H.; Castro,L. (Intr. by J. Traeger).
Hosp. Milit.-Nephrol., Buenos Aires, Argentina.

THE EFFECT OF NIFEDIPINE (NIF) ON CYCLOSPORIN A NEPHROTOXICITY (CYA-N) IN THE SPONTANEOUSLY HYPERTENSIVE RAT(SHR) AFTER UNINEPHRECTOMY (UNx) OR UNx WITH CONTRALATERAL RENAL DENERVATION (UNx+D).

McNALLY,PG.; Walls,J.; Feehally,J.
Dept. of Nephrol., Leicester Gen. Hosp., Leicester, UK.

VASOCONSTRICTION INDUCED BY CYCLOSPORINE A IN THE ISOLATED PERFUSED KIDNEY.

MEHRING,N.; Zidek,W.; Neumann,K-H.; Rahn,K.-H.
Med.Univ.-Poliklinik Münster & Abt.f.Nephrol.d.Med.Hochschule Hannover, FRG.

PREVENTION OF CYCLOSPORINE-ASSOCIATED ARTERIOLOPATHY (CAA) BY MODULATION OF PROSTAGLANDIN (PG) METABOLISM IN KIDNEY.

TERAOKA,S.; Yamaguchi,Y.; Hayashi,T.; Nakagawa,Y.; Suga,H.; Fujikawa,H.; Kawai,T.; Agishi,T.; Ota,K.
Tokyo Women's Med. College, Tokyo, Japan.

LOW DOSE CHRONIC ADMINISTRATION OF CYCLOSPORINE TO RATS INCREASES THE VASOCONSTRICTOR RESPONSIVENESS OF RENAL ARCUATE ARTERIES.

RICHARDS,N.T.; Poston,L.; Hilton,P.J.
St. Thomas' Hospital, London, UK.

**Date: Thursday, Sept. 6,
15:30 - 17:00**

Hall B

**FFREE COMMUNICATIONS
ACUTE RENAL FAILURE**

Chairman: A. Heidland (FRG)

**I.V.HYPERTONIC MANNITOL (M) AMELIORATES MUSCLE
TAMPONADE IN THE CANINE MODEL OF ACUTE
COMPARTMENTAL SYNDROME (ACS).**

BETTER,O.S.; Abassi,Z.; Rubinstein,I.; Zinman,C.; Reis,N.D.
Rambam Hosp. & Fac. of Med., Technion, Haifa, Israel.

**A NEW "MODEL" OF IMPAIRMENT OF RENAL FUNCTION (IRF)
IN MAN: INTERLEUKIN 2 THERAPY (IL2).**

MERCATELLO,A.; Hadj-Aissa,A.; Tognet,E.; Allaouchiche,B.; Negrier,S.;
Pozet,N. Moskovtchenko,J.F.; Philip,T.
Dept. de Nephrol. (Hop.E.Herriot) & Centre Leon Berard, Lyon, France.

**EFFECT OF NOREPINEPHRINE INFUSION IN ACUTE RENAL
INSUFFICIENCY INDUCED BY IL 2 THERAPY.**

Allaouchiche,B.; Mercatello,A.; Tognet,E.; Negrier,S.;
MOSCOVTCHENKO,J.F.; Philip,T.
Hop. Ed. Herriot & Centre Leon Berard, Lyon, France.

**DETECTION OF TUBULAR CELL NECROSIS AFTER CARDIAC
ANGIOGRAPHY WITH THE CONTRAST MEDIUM IOPAMIDOL
BY MONOCLONAL ANTIBODIES.**

PIBERHOFER,S.; Birk,H.-W.; Eckhardt,T.; Schnitterle,G.
Dept. Int. Med., Justus-Liebig-Univ., Giessen, FRG.

**INTERMITTEND MACHINE HAEMOFILTRATION (MHF) IN
PATIENTS WITH FULMINANT HEPATO-RENAL FAILURE
(FHRF): THE EFFECT OF MEMBRANE BIO-COMPATIBILITY.**

DAVENPORT,A.; Davison, A.M.; Will,E.J.
Dept.Ren.Med.,St. James Univ.Hosp., Leeds, U.K.

**EVIDENCE FOR DISTINCT SOURCES OF THROMBOXANE (Tx)
AND PROSTAGLANDIN E (PGE) FOLLOWING BILATERAL
URETERAL OBSTRUCTION (BUO).**

HARRIS,K.*; Yanagisawa,H.; Schreiner,G.; Klahr,S.; (intr.by J.Walls)
Dept. of Nephrol., Leicester General Hosp., Leicester, UK* and Renal Div.,
Washington Univ., St. Louis, MO. USA.

Thursday, Sept. 6
13:30 - 15:00

Hall C

**FREE COMMUNICATIONS
MINERAL METABOLISM**

Chairman: B.J.R. Junor (UK)

**☛ 1,25(OH)2D3 IS AN IMPORTANT FACTOR FOR
PROLIFERATION AND DIFFERENTIATION OF GROWTH
CARTILAGE CELLS.**

KLAUS,G.; Merke,J.; Meinhold,R.; Hügel,U.; Ritz,E.; Mehls,O.
Depts. of Pediat. and Int.Med., Univ. of Heidelberg, FRG.

**1,25(OH)2 D PRODUCTION AFTER 25-OH-D ADMINISTRATION IN
CAPD DIABETIC PATIENTS.**

UBEDA,I.; Sanchez,A.; Hidalgo,L.; Tornero,F.; Borque,M.; Cruceira,A.;
Barrientos,A.
H.Clinico, Madrid, Spain.

**COMPARATIVE CLINICAL TRIAL OF TWO VITAMIN D
ANALOGUES FOR THE TREATMENT OF REFRACTORY
SECONDARY HYPERPARATHYROIDISM (2° HPT).**

KINUGASA,E.; Akizawa,T.; Takayama,K.; Koshikawa,S.
Showa Univ., Fujigaoka Hosp., Yokohama, Japan.

**TREATMENT WITH 1-HYDROXY VIT D3 (1D)AND
24-25-DIHYDROXY VIT D3 (24D) IN HEMODIALYSED PATIENTS.**

Popovzer,M.M.; Bab,I.; Bar-Heim,Y.; Levi,J.; Boner,G.; Sshasha,;
Haimovitz,C.; BERNHEIM,J..
Depts.Nephrol,Hospts. Hadassah,Jerusalem,Kaplan Rehovot,Beilinsona.
Hasharon Petach Tiqwah, W.Gal. Naharya, Soroka Beer Sheva,
Meir Kfar Saba,Israel.

**SUBCUTANEOUS ADMINISTRATION OF 1,25 (OH)2D3 IN CAPD
PATIENTS. ITS KINETICS AND INFLUENCE ON PLASMA
CALCIUM AND PTH LEVELS.**

SELGAS,R.; Martinez,M.E.; Sanchez-Cabezudo,M.J.; Lopez-Revuelta,K.;
Rino,C. Ausejo,M.; Miranda,B.
Hosp. La Paz, Madrid, Spain.

**25-HYDROXYVITAMIN D3 METABOLISM BY MONONUCLEAR
CELLS FROM HEMODIALYSIS PATIENTS**

REICHEL,H.; Recker,A.; Deppisch,R.; Ritz,E.
Dept. Int.Med., Univ. Heidelberg, FRG.

Thursday, Sept. 6
15:30 - 17:00

Hall C

FREE COMMUNICATIONS
BIOCOMPATIBILITY, CYTOKINES, ENDOTOXIN

Chairman: D. Falkenhagen (GDR)

**MONONUCLEAR CELLS (MNC) RELEASE CYTOKINES AFTER
STIMULATION WITH LAL-NEGATIVE SMALL (<1kD)
BACTERIAL PRODUCTS.**

MAHIOUT,A.; Lonnemann,G.; Schulze,M.; Shaldon,S.*; Koch,K.M.
Med. School Hannover, FRG. Univ. Hosp. Nimes, France *

**PYROGEN-PERMEABILITY OF DIALYZER MEMBRANES:
IMPORTANCE OF ADSORPTION AND MEMBRANE THICKNESS.**

LONNEMANN,G.; Lenzner,B.; Behme,T.C.; Mahiout,A.; Shaldon,S.*;
Koch,K.M.
Depts. Nephrol., Med. School Hannover, FRG, *Univ. Hosp. Nimes, France.

**DETECTION OF ENDOTOXIN (ET) IN PLASMA OF
HEMODIALYSIS (HD) PATIENTS BY A MONOCLONAL
ANTIBODY ENZYME-IMMUNO-ASSAY.**

YAMAGAMI,S.; Ameno,Y.; Nishisaka,M.; Sugimura,S.; Wada,S.;
Maekawa,M.; Shaldon,S.*
Osaka City Univ.Med.School, Japan,*Univ.Hosp. Nimes, France.

NEUTROPHIL ACTIVATION BY CONTAMINATED DIALYSATE.

Wright,M.; Harding,G.B.; Klein,E.; KLEIN,J.B.; (Intr. by Th.Golper).
Univ. of Louisville Div. of Nephrol., Louisville, KY, USA.

**IS THERE A ROLE FOR DIALYSATE IN COMPLEMENT
ACTIVATION?**

CAPPELLI,G.; Lucchi,L.; Lusvarghi,E;
Nephrol. and Dial. Unit, Univ. Hosp. Modena, Italy.

**C5a EQUALLY MODULATES ENDOTOXIN (ET) INDUCED
IN VITRO IL-1 PRODUCTION IN NORMALS AND CHRONIC
HEMODIALYSIS (HD) PATIENTS.**

HAUBITZ,M.; Schulze,M.; Lonnemann,G.; Koch,K.M.
Med. Hochschule Hannover, FRG.

Thursday, Sept. 6

13:30 - 15:00

Hall D

FREE COMMUNICATIONS
PROGRESSION OF RENAL FAILURE

Chairmen:

**RANDOMISED CONTROLLED TRIAL OF ENALAPRIL IN
PROGRESSIVE CHRONIC RENAL FAILURE.**

KAMPER,A.; Strandgaard,S.; Leyssac,P.P.

Depts. of Nephrol. and Clin. Physiol., Herlev Hosp. and Inst. of Experimental
Med., Copenhagen, Denmark.

**PROSPECTIVE MULTICENTER STUDY ON ANTI-HYPER-
TENSIVE THERAPY IN CHRONIC RENAL FAILURE (CRF).**

GRÜNFELD,J.P.; (Intr. by J.P.Grünfeld,Paris,France)

Hop. Necker, Serv. de Nephrol., Paris, France.

**COMPARISON OF CALCIUM-CHANNEL BLOCKER AND ACE-
INHIBITOR THERAPY IN THE PROGRESSION OF RENAL
FAILURE.**

ZUCCELLI,P.*; and members of the Collaborative Study.

Dept. of Nephrol., Malpighi Hospital*, Bologna, Italy.

**EFFECTS OF CONVERTING ENZYME INHIBITION AND LOW
PROTEIN DIET (LPD) IN ADRIAMYCIN-TREATED RATS.**

BENJELLOUN,A.S.; Merville,P.; Deminiere,S.; Cambar,J.; Aparicio,M.

Hopital Pellegrin-Tripode, Bordeaux, France.

**INFLUENCE OF A PROTEIN RESTRICTED DIET (PRD) AND OF A
CAPTOPRIL (CAP) THERAPY ON THE DEVELOPMENT OF
GLOMERULOSCLEROSIS (GS) AND PROTEINURIA (PU) IN
MILAN NORMOTENSIVE RATS (MR).**

BRUNKHORST,R.; Kliem,V.; Neumann,K.H.; Kühn,K.*; Wrenger,E.;
Koch,K.M.

Dept. of Nephrol., Hannover Med. School, *Dept. of Int. Med., Klinikum
Karlsruhe, FRG.

**BLOOD PRESSURE IN DIFFERENT MODELS OF
5/6 NEPHRECTOMY.**

GRETZ,N.; Drescher,P.; Lasserre,J.J.; Mall,K.; Strauch,M.

Clin.of Nephrol., Klinikum Mannheim and Dept. of Pathol., Univ.of Heidel-
berg, Heidelberg, FRG.

Thursday, Sept. 6

15:30 - 17:00

Hall D

WORKSHOP 1

VITAMIN D AND ANALOGUES IN THE TREATMENT OF RENAL OSTEODYSTROPHY

Chairman: E. Ritz (FRG)

INTRODUCTION

Ritz E., FRG

MANAGEMENT OF DISTURBED CALCIUM METABOLISM IN EARLY RENAL FAILURE.

Reichel H., FRG

DIAGNOSTIC WORKUP OF THE PATIENT WITH OSTEITIS FIBROSA.

Coen G., Italy

MANAGEMENT OF THE PATIENT WITH MANIFEST OSTEITIS FIBROSA.

Drüeke T., France

VITAMIN D OR CALCIUMCARBONATE OR BOTH?

Fournier A., France

Thursday, Sept. 6
13:30 - 15:00

Hall G/H

**FREE COMMUNICATIONS
HYPERTENSION**

Chairmen: A.M. Davison (UK), H. Pogglitsch (Austria)

**☛ MORPHOLOGICAL CHARACTERIZATION OF
HYPERTENSIVE TRANSGENIC (TG) RATS HARBOURING THE
MOUSE REN-2 GENE.**

BACHMANN,S.; Ganten,D.; Peters,J.; Mullins,J.J.

Dept. of Anatomy, German Inst. for High Blood Pressure, Dept. of Pharm.,
Heidelberg, FRG.

**CAPTOPRIL ^{99m}Tc-DTPA RENOGRAPHY IN PATIENTS WITH
SUSPECTED RENOVASCULAR HYPERTENSION.**

FRAILE,M.; Tovar,J.L.; Castell,J.; Piera,L.

Hosp. General Vall d'Hebron, Barcelona, Spain.

**PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY (PTA) OF
ATHEROSCLEROTIC RENAL ARTERY STENOSIS (RAS)
- A SUITABLE METHOD TO IMPROVE BLOOD PRESSURE (BP)
AND PRESERVE RENAL FUNCTION (RF).**

BUXBAUM,M.; Meisl,F.; Manker,W.; Guttierrez,E.*; Riedl,M.*;
Steinbach,K.

3. Med. Dept., **Dept. of Radiol., Wilhelminenspital, Vienna, Austria.

**PLASMA ERYTHROPOIETIN (EPO) LEVELS IN RENAL VENOUS
BLOOD OF PATIENTS WITH SIGNIFICANT UNILATERAL RENAL
ARTERY STENOSIS(URAS).**

WIECEK,A.; Kokot,F.; Kuczera,M.; Klin,M.; Grzeszczak,W.; Kiersztejn,M.
Dept. of Nephrol., Silesian School of Med., Katowice, Poland.

**URINARY ALBUMIN EXCRETION (UAE) IN ESSENTIAL AND
RENOPARENCHYMAL HYPERTENSION: EFFECTS OF
DIFFERENT ANTIHYPERTENSIVE TREATMENTS (AT).**

BIANCHI,S.; Bigazzi,R.; Baldari,G.

Renal and Hypertension Unit, Livorno, Italy.

**DIVERGENT EFFECT OF INSULIN ON THE PRESSOR RESPONSE
TO ANGIOTENSIN-II AND NORADRENALINE IN HEALTHY MEN.**

GANS,R.O.B.; Bilo,H.J.G.; v.Maarschalkerweerd,W.W.A.; v.d.Veen,E.A.;
v.d.Meer,J.; Donker,A.J.M.

Free Univ. Hosp., Amsterdam, NL.

Thursday, Sept. 6,
15:30 -17:00

Hall G/H

**FREE COMMUNICATIONS
CLINICAL NEPHROLOGY**

Chairmen: A. El Matri (Egypt), A. Manitius (Poland)

**SHORT TERM EFFECTS ON RENAL FUNCTION OF EDTA
CHELATION THERAPY IN LEAD ASSOCIATED NEPHROPATHY.**

AIRAGHI, C.; Colussi, G.; De Ferrari, M.E.; Rombola, G.; Rolando, P.;
Minetti, L.

Renal Unit, Osped. Niguarda-Ca'Granda, Milan, Italy.

**DENT'S DISEASE: A FAMILIAL RENAL TUBULAR SYNDROME
WITH TUBULAR PROTEINURIA, HYPERCALCIURIA, RICKETS,
NEPHROCALCINOSIS AND RENAL FAILURE.**

Wrong, O.M.; Norden, A.G.W.; FEEST, T.G.

Univ. Coll. and Middlesex School of Med., London, Enfield District Hosp.,
Royal Devon and Exeter Hosp., UK.

EFFECTS OF VARIATION IN SODIUM INTAKE ON CYSTINURIA.

Peces, R.; SANCHEZ, L.; Gorostidi, M.; Alvarez, J.

Hosp. Covadonga, Oviedo, Spain.

**TRANSJUGULAR RENAL BIOPSY:
EXPERIENCE OF 70 PROCEDURES.**

Mal, F.; Callard, P.; MEYRIER, A.

Fac. de Med., Bobigny, France.

**REDUCED CONDUCTANCE TO Cl IN TUBULAR SITE (S) BEYOND
THE LOOP OF HENLE AS A POSSIBLE CAUSE OF BARTTER'S
SYNDROME (BS). A CLINICAL STUDY.**

COLUSSI, G.; Rombola, G.; Airaghi, C.; Minetti, L.

Renal Unit, E.O. Niguarda, Ca'Granda, Milan, Italy.

**EFFECT OF CAPTORPIL ON PROTEINURIA ASSOCIATED WITH
OBESITY.**

PRAGA, M.; Hernandez, E.; Montoyo, C.; Andres, A.; Leon, M.; Rodicio, J.L.

Hosp. 12 Octubre, Madrid, Spain.

Thursday, Sept. 6
13:30 - 15:00

Hall I/K

FREE COMMUNICATIONS
EXPERIMENTAL GLOMERULONEPHRITIS

Chairmen: J.D. Williams (UK), L. Hernando (Spain)

GOLD SALT-INDUCED AUTOIMMUNE NEPHRITIS IN RATS.

TOURNADE,H.; Pelletier,L.; Pasquier,R.; Druet,P.
INSERM U 28, Hosp. Broussais, Paris, France.

**ANTI-CD4-RECEPTOR MONOCLONAL ANTIBODY ALLEVIATES
PROTEINURIA IN MERCURIC CHLORIDE INDUCED
GLOMERULONEPHRITIS IN THE BROWN NORWAY RAT.**

LILLEVANG,S.T.; Steinbrüchel,D.A.; Starklint,H.; Kemp,E.
Lab. of Nephropathology, Odense Univ. Hosp., DK.

**PUROMYCIN (PAN) INDUCED RENAL DYSFUNCTION IS DUE TO
MACROPHAGE INFILTRATION OF THE KIDNEY.**

HARRIS,K.*; Schreiner,G.; Lefkowitz,J.; Klahr,S.
Dept. of Nephrol., Leicester Gen. Hosp., Leicester,UK* and Renal Div.,
Washington Univ., St. Louis, MO. USA.

**PRODUCTION OF NEPHRITOGENIC ANTIBODIES DURING
HOST-VERSUS-GRAFT (HVG) REACTION IN MICE: RELATION
WITH GLOMERULAR PATHOLOGY.**

FLORQUIN,S.; de Heer,E.; Bruijn,J.A.; Abramowicz,D.; Doutrelepont,J.M.;
Goldman,M.; Hoedemaeker,P.
Rijksuniv. te Leiden, NL and Univ. Libre de Bruxelles, Belgium.

**PGE1 SUPPRESSES ACUTE AND CHRONIC PHASES OF RAT
NEPHROTOXIC NEPHRITIS (ANTN).**

CATTELL,V.; Cook,T.
St. Mary's Hosp. Med. School, London, UK.

**ABROGATION OF GLOMERULAR DERIVED MIGRATION INHI-
BITION FACTOR ACTIVITY (MIF) BY ANTILYMPHOCYTE
MONOCLONAL ANTIBODY IN ACUTE SERUM SICKNESS (AcSS).**

PARRA; G.; Mosquera,J.; Rodriguez-Iturbe,B.; (Intr. by J.Egido)
Inbiomed, IIC, Maracaibo, Venezuela.

Thursday, Sept. 6
15:30 - 17:00

Hall I/K

**FREE COMMUNICATIONS
HEPATITIS**

Chairmen: F. Carrera (Portugal), M. Polenakovic (Yugoslavia)

**☛ RAPID AND COMPLETE SERO-CONVERSION BY INTRA-
DERMAL (ID) RECOMBINANT HBS VACCINE IN HD PATIENTS.**

ONO,K.; Kashiwagi,S.

Ono Geka Clinic and Dept. of Gen. Med., Kyushu Univ., Fukuoka, Japan.

**NON A NON B HEPATITIS (NANBH) IN AN HAEMODIALYSIS
UNIT.**

BISPO,J.; Leal,M.; Lobos,A.V.; Remedio,F.; Ramos,A.; Almeida,M.;
Barata,J.; Ribeiro,F.; Santos,J.R.

Clinica de Doencas Renais, Lisbon, Portugal.

**HEPATITIS C VIRUS ANTIBODIES AMONG HAEMODIALYSIS
PATIENTS IN JAPAN.**

NISHI,T.*; Kurai,K.; Iino,S.; Kuwata,S.; Nosaka,K.; Kurokawa,K.; (Intr. by
F.Marumo).

Nishi Clinic*,Dept. of the 1st Int.Med.,Tokyo Univ. Tokyo, Japan.

**INCIDENCE OF ANTIBODY TO HEPATITIS C VIRUS (HCV) IN
STAFF AND PATIENTS FROM HEMODIALYSIS UNIT.**

CHAUVEAU,P.*; Courouze,A.M.**; Naret,C.*; Poignet,J.L.*; Chapuis,X.*;
Delons,S.*

**INTS Cabanel, *CM Ed.Rist, Paris, France.

**PREVALENCE OF NON-A NON-B HEPATITIS AND ITS
CORRELATION WITH HCV ANTIBODIES.**

GRACA SILVA,J.; Pires,C.; Carneiro,J.; Carrera,F.

Centro Medico Nacional, Lisbon, Portugal.

**ANTIBODIES AGAINST HEPATITIS C VIRUS (anti-HCV) IN
HAEMODIALYSIS PATIENTS: CORRELATION WITH HEPATITIS
B SEROLOGIC MARKERS.**

ELISAF,M.; Tsianos, E.; Mavridis,A.; Pappas,M.; Mansalas,K.;
Siamopoulos,K.C.

Dept. of Int. Med., Med. School, Univ. of Ioannina, Greece.

Thursday, Sept. 6
13:30 - 15:00

Poster Foyer B and C

**POSTER SESSION 1
HEMODIALYSIS**

Chairmen:

**CONTINUOUS ON-LINE RECORDING OF BLOOD VOLUME (BV)
CHANGES DURING DIALYSIS BY OPTICAL ABSORBANCE (OA).**

MANCINI,E.; Spongano,M.; Paolini,F.*; Rossi,M.*; Santoro,A.;
Zucchelli,P.

Div. di Nefrol. e Dial., Malpighi,Bologna, *Hosp.-Dasco, Medolla, Italy.

**CONTINUOUS MONITORING OF RELATIVE CHANGES OF
BLOOD VOLUME DURING HEMODIALYSIS TREATMENT.**

Probst,W.; Schneditz,D.; Poggitsch,H.; BINSWANGER,U.

Sections of Nephrol. and Inst. of Physiol., Univ. Zürich,Switzerland and
Graz, Austria.

**A NEW APPROACH TO DETERMINE THE WHOLE BODY
FILTRATION COEFFICIENT (CF) DURING HEMODIALYSIS (HD).**

ROOB,J.M.; Schneditz,D.; Horina,J.H.; Poggitsch,H.

Depts. of Med. and Physiol., Karl Franzens Univ, Graz, Asutria.

**SODIUM MODELING, BLOOD PRESSURE CONTROL AND
CARDIOVASCULAR STABILITY IN HEMODIAFILTRATION
(HDF).**

PEDRINI,L.; Cozzi,G.; Faranna,P.

Serv. Dial., Osp. di Trescore B., Italy.

**HEMODYNAMIC EFFECTS OF BODY TEMPERATURE
VARIATION DURING EXTRACORPOREAL BLOOD-
RECIRCULATION AND ISOLATED ULTRAFILTRATION IN THE
DOG.**

OROFINO,L.; Quereda,C.; Marcen,R.; Villafruela,J.J.; Sabater,J.;
Burgos,J.; Ortuno,J.

Hospital Ramon y Cajal, Madrid, Spain.

**CARDIOVASCULAR CONDITIONING IMPROVES BLOOD
PRESSURE CONTROL DURING HD.**

ABEL,H.; Krause,R.; Bennhold,I.; Koepchen,H.

Inst. of Physiol., FU Berlin, FRG.

Thursday, Sept. 6
13:30 - 15:00

Poster Foyer B and C

VENOUS COMPLIANCE IS NORMAL IN NORMOTENSIVE DIALYSIS PATIENTS.

NOORDZIJ,T.; Wijnen,J.; v Bortel,L.; Leunissen,K.
Univ. Hosp. Maastricht, NL.

LEFT ATRIAL VOLUMES AND PRESSURES CHANGES DURING HEMODIALYSIS.

STRATOS, C.; Kakavas, J.; Stefanadis, C.; Kallivretakis, N.; Bougatsos, G.; Kotileas,P.; Voudiclaris,S.; Toutouzas,P.;
Dept. of Nephrol. and Dept. of Cardiol. Athens, Univ., Hippokration General Hosp., Athens, Greece.

FACTORS AFFECTING HYPERTENSION IN DIALYSIS PATIENTS.

DE RAEDT, H.; Lins, R.L.; Zachee,P.; Henckes, M.; Daelemans, R.A.
Dept. of Nephrol.-Hypertension, A.Z. Stuivenberg, Antwerpen, Belgium.

VALVULAR REGURGITATIONS IN CHRONIC RENAL FAILURE (CRF) PATIENTS ON REPLACEMENT THERAPY.

RAMZY,M.F.; Abram,I.; Guindy,R.; Abdel Dayem,M.K.; Makram,S.
Cairo & Ain Shams Univ., Cairo, Egypt.

UREMIC CARDIOMYOPATHY DOPPLER ECHOCARDIOGRAPHY STUDY.

RAMZY, M.F.; Guindy, R.R.; Abdel Dayem, M.K.; Abram, I.; Ramsis, R.
Cairo & Ain Shams Universities, Cairo, Egypt.

A NEW APPROACH TO "UREMIC MYOCARDIOPATHY".

LÖW-FRIEDRICH,I.; Weisensee,D.; Bereiter-Hahn,J.; Schoeppe,W.
J.W.Goethe-Univ., Frankfurt a.M., FRG.

ELIMINATION OF LOW MOLECULAR WEIGHT PROTEINS BY CONVECTION AND ADSORPTION DURING HEMOFILTRATION.

KISTNER,A.; Birk,H.W.; Schnatterle,G.; Wizemann,V.*
Dept. of Int. Med., Justus-Liebig-Univ. and *Dial. Centre, Giessen,FRG.

RISK FACTORS FOR LEAD ACCUMULATION IN HEMODIALYSIS PATIENTS.

COLLEONI,N.; Corigliano,C.; Luciani,L.; Rovelli,E.; D'Amico,G.
Dept.Nephrol., S. Carlo Hosp., Milano, Italy.

Thursday, Sept. 6
13:30 - 15:00

Poster Foyer B and C

ACUTE LEAD POISONING OF DIALYSIS PATIENTS CAUSED BY CONTAMINATED SODIUM ACETATE

THIELER,H.; Schmidt,U.; Lenhardt,E.; Liebich,R.
Med. School Erfurt, GDR.

ELIMINATION OF VANCOMYCIN WITH HIGHLY PERMEABLE DIALYSIS MEMBRANES.

Boehler,J.; REETZE,P.; Keller,E.; Kramer,A.; Schollmeyer,P.J.
Dept. of Nephrol., Univ. of Freiburg, FRG.

EFFICACY AND SAFETY OF A LOW MOLECULAR WEIGHT HEPARIN VERSUS UNFRACTIONATED HEPARIN IN 100 CHRONIC HEMODIALYSIS PATIENTS DURING 6 MONTHS.

Nurmohamed,M.T.; STEVENS,P.; Lins,R.*; ten Cate,J.; Hoek,J.A.; ten Cate,J.W.
Acad.Med.Centre, Amsterdam, NL, *Stuivenberg General Hospital, Antwerpen,Belgium.

THROMBOSIS PREVENTION DURING HEMODIALYSIS OF PATIENTS WITH HIGH HEMORRHAGE RISK BY THE VERY LOW MOLECULAR WEIGHT HEPARIN (VLMWH) CY 222, VERSUS THE RINSING PROCEDURE WITHOUT HEPARIN. A RANDOMIZED COOPERATIVE TRIAL.

MORINIERE,Ph.; Maret,J.; Debure,A.; Lebon,P.; Wolf,C.; Bayrou,B.; Begaud,B.; Hory,B.; Zingraff,J.; Chastang,C.; Fournier,A.
Hop. d'Amiens, Chambéry, Paris, Le Mans, Carleville, Bordeaux, Besançon, Choay Inst.

EFFECTS OF LOW MOLECULAR WEIGHT HEPARINE ON BLOOD LIPIDS DURING APPLICATION IN CHRONIC HEMODIALYSIS PATIENTS.

SCHMITT,Y.; Schneider,H.
Inst. of Clin.Chem. and Lab. med., Center of Int. Med., Katharinenhospital Stuttgart, FRG.

THE PSYCHOPHYSICAL REHABILITATION OF DIALYSIS TREATED UREMIC PATIENTS.

JANKOVIC,N.; Pavlovic,D.; Samsa,R.; Varlaj,V.
"Dr.J.Kajfes" Hosp., Zagreb, Yugoslavia.

Thursday, Sept. 6
13:30 - 15:00

Poster Foyer B and C

CHANGING PATTERNS OF CHRONIC RENAL FAILURE (CRF) IN CHILDREN DURING THE LAST 20 YEARS.

SCHÄRER,K.; Reiss,U.; Gretz,N.; Wingen,A.M.; Müller-Wiefel,D.E.; Möhring,K.; Mehls,O.

Div. Pediatr. Nephrol., Dept. Pediatr. and Dept. Urol., Univ. of Heidelberg, FRG.

DIABETES AND RENAL REPLACEMENT THERAPY IN ITALY: PREVALENCE, MAIN CHARACTERISTICS AND APPARENT REGIONAL DIFFERENCES.

CATALANO,C.; Postorino,M.; Kelly,J.; Fabrizi,F.; Enia,G.; Maggiore,Q. Cen. di Fisiol. Clin. del Consiglio Nazionale delle Ric., Reggio Calabria, Italy and Dept. of Med. Statistics, Univ. of Newcastle, UK.

PREGNANCY IN HEMODIALYSIS PATIENTS IN SAUDI ARABIA.

SOUQIYYEH,M.Z.; Huraib,S.; Saleh,A.Q.M.; Aswad,S. National Kidney Found., Riyadh, Saudi Arabia.

PREVALENCE OF HCV ANTIBODIES IN HEMODIALYSIS AND KIDNEY TRANSPLANT PATIENTS.

KALLINOWSKI,B.; Theilmann,L.; Gmelin,K.; Rambauser,M.; Andrassy,K.; Mehls,O.

Moehring,K.; Ritz,E.; Depts. of Int. Med., Ped. and Urol., Univ. of Heidelberg, FRG.

HEPATITIS-C-VIRUS (HCV) PREVALENCE AND TRANSMISSION IN PATIENTS ON REGULAR DIALYTIC TREATMENT (RDT).

SUSANNA,F.; Tagariello,G.; Gaio,G.; Dugo,M.; Cascone,C.

Renal Unit and Blood Bank, Gen. Hosp., Castelfranco Veneto, Italy.

ANTIBODY TO HEPATITIS C VIRUS IN PATIENTS ON HEMODIALYSIS AND AFTER KIDNEY TRANSPLANTATION.

TERUEL,J.L.; Marcen,R.; Gamez,C.; Rivera,M.; Munoz,R.F.; Celma M.L.; Ortuno,J.

Hosp. Ramon y Cajal, Madrid, Spain.

PREVALENCE AND CLINICAL SIGNIFICANCE OF HEPATITIS C VIRUS ANTIBODIES IN HEMODIALYSIS PATIENTS.

JADOUL,M.; Cornu,Ch.; Lamy,M.E.; van Ypersele de Strihou,C.

Univ. of Louvain Med. School, Brussels, Belgium.

Thursday, Sept. 6
15:30 - 17:00

Poster Foyer B and C

POSTER SESSION 2

- **IMMUNOLOGY IN RENAL TRANSPLANTATION**
- **CLINICAL ASPECTS IN RENAL TRANSPLANTATION**

Chairmen: P.J. Häyry (Finland), W. Land (FRG)

CYTOKINE RELEASE AND ACUTE PHASE RESPONSE AFTER OKT3 THERAPY.

ZLABINGER, G.J.; Steiner, G.; Klauser, R.; Pohanka, E.; Vychytil, A.;
Woloszczuk, W.; Kovarik, J.
Inst. of Immunol., 2nd Dept. of Med., Univ. of Vienna, Austria.

SERUM SOLUBLE INTERLEUKIN-2 RECEPTOR LEVELS IN RENAL TRANSPLANT RECIPIENTS.

RYAN, J.J.; Dennis, M.J.S.; Porter, C.; Burden, R.P.; Morgan, A.G.
Depts. of Surg. and Nephrol., City Hosp. Nottingham, NG5 1PB, UK.

PROSPECTIVE STUDY OF TUBULAR CELLS HLA-DR EXPRESSION ON FINE NEEDLE ASPIRATION CYTOLOGY (FNAC) AFTER RENAL TRANSPLANTATION (RT).

ALMIRALL, J.; Campistol, J.M.; Sole, M.; Oppenheimer, F.; Bru, C.;
Andreu, J.; Revert, L.

INDUCTION OF ANTI-IDIOTYPIC ANTIBODIES TO ANTI-HLA ANTIBODIES AFTER DONOR-SPECIFIC TRANSFUSION IN NOT SENSITIZED KIDNEY GRAFT RECIPIENTS.

POHANKA, E.; Cohen, N.A.; Manfro, R.C.; Colombe, B.W.; Salvatierra jr., O.;
Garovoy, M.R.
Immunogenetics and Transpl. Lab., Dept. of Surgery, Univ. of California,
San Francisco, CA, USA.

SEQUENTIAL DETERMINATION OF ENDOTHELIN (ET-1) PLASMA LEVELS IN CORRELATION TO BIOPSY RESULTS AFTER RENAL TRANSPLANTATION.

WATSCHINGER, B.; Hartter, E.; Vychytil, A.; Traindl, O.; Pohanka, E.;
Kovarik, J.
Dept. of Med. II, Univ. of Vienna, Austria.

Thursday, Sept. 6
15:30 - 17:00

Poster Foyer B and C

SERUM INTERLEUKIN-6 ACTIVITY IN PATIENTS WITH ACUTE RENAL GRAFT REJECTION.

STOCKENHUBER,F.*; Kurz,R.W.***; Apperl,A.*; Steininger,R.**;
Gnant,M.**; Mühlbacher,F.**; Balcke,P.*;
1.Med. Clin.*,Dept. of Surg.**;Univ. of Vienna, 1.Dept. of Med. KFJ***,
Vienna, Ludwig Boltzmann Inst. of Nephrol.*,Austria.

SUCCESSFUL KIDNEY TRANSPLANTATIONS BETWEEN PRIMARILY ABO-INCOMPATIBLE COUPLES AFTER IMMUNO-ADSORPTION OF A OR B ISOAGGLUTININE.

AGISHI,T.; Takahashi,K.; Oba,S.; Tanabe,K.; Yamazaki,Y.;
Mineshima,M.; Ota,K.; Nakashima,H.*; Abe,M.*
Dept.of Surg.,Kidney Cen.,Tokyo Women's Med.Coll. & Kawasumi
Lab.,Inc.*,Tokyo

PLASMA EXCHANGE (PE) FOR RECURRENT FOCAL SEGMENTAL GLOMERULAR SCLEROSIS (FSGS) FOLLOWING RENAL TRANSPLANTATION.

DANTAL,J.; Baatard,R.; Hourmant,M.; Cantarovich,D.; Soullillou,J.P.
Univ. Hosp. Nantes, France.

PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY (PTA) IN TRANSPLANT RENAL ARTERY STENOSIS (TRAS).

FAUCHALD,P.; Vatne,K.; Paulsen,D.; Brodahl,U.; Sodal,G.; Berg,K.J.
Depts. of Med., Radiol. and Surg., Univ. Hosp., Rikshosp., Oslo, Norway.

DONOR AGE: INFLUENCE IN THE FOLLOW-UP OF KIDNEY TRANSPLANTATION (Tx).

TRIOLO,G.; Segoloni,G.P.; Messina,M.; Amoroso,A.; Vercellone,A.
Inst. of Nephro-Urol., Univ. of Turin, Italy.

COMPARATIVE EFFECTS OF ENALAPRIL (E) AND NIFEDIPINE (N) ON RENAL HEMODYNAMICS IN HYPERTENSIVE RENAL TRANSPLANT (HTx) PATIENTS.

ABU ROMEH,S.H.; El-Khatib,D.; Rashed,A.; Hijazi,A.
Hamad General Hosp., Doha, Quatar, Arabian Gulf.

Thursday, Sept. 6,
15:30 - 17:00

Poster Foyer B and C

DOPPLER AS A FIRST-LINE SCREENING TEST FOR THE DETECTION OF RENAL ARTERY STENOSIS IN TRANSPLANTED KIDNEYS.

VANDERSTIGGEL,G.; Vandenbogaerde,J.; Vanholder,R.
Nephrol. Dept., Univ. Hosp., Ghent, Belgium.

RENAL ARTERIOVENOUS FISTULAS (AVF) IN TRANSPLANTS DETECTED BY COLOUR DOPPLER ULTRASOUND (CDU) COMPLICATIONS AND CLOSURE RATE.

Dean,C.; PARSONS,V.; Walters,H.; Rifkin,I.; Palmer,A.
Depts. of Renal Med., Radiol. and Biomed. Engineering, King's College Hosp., London, UK.

LONG-TERM PATIENT SURVIVAL AND CAUSES OF DEATH AFTER CADAVERIC KIDNEY TRANSPLANTATION.

KEUSCH,G.; Largiader,F.; Binswanger,U.
Section of Nephrol., Univ. Hosp. Zürich, Switzerland.

CADAVERIC RENAL TRANSPLANTATION IN THE OVER 60 AGE GROUP.

WARD,R.G.; Chattington,P.; Bakran,A.; Sells,R.A.; Bone,J.M.
Renal Trans.Unit, Royal Liverpool Hosp., Prescott Street, Liverpool, UK.

REPEATEDLY TESTED RENAL RESERVE FILTRATION CAPACITY (RRFC) IN KIDNEY DONORS.

ter Wee, P.M.; Tegzess, A.M.*; KOOTTE, A.M.M.; Donker, A.J.M.
Free Univ. Hosp., Amsterdam and State Univ. Hosp.*; Groningen, NL.

DONOR KIDNEY INTERSTITIAL FIBROSIS (IF) DETERMINES EARLY POSTTRANSPLANT RENAL FUNCTION.

SERON,D.; Carrera,M.; Lopez-Coste,M.A.; Castelao,A.M.; Grino,J.M.; Diaz,C.; Bover,J.; Alsina,J.
Hosp. de Bellvitge, Barcelona, Spain.

KIDNEY ALLOGRAFT BIOPSIES IN PATIENTS WITH STABLE RENAL FUNCTION.

SERON,D.; Diaz,C.; Grino,J.M.; Castelao,A.M.; Carrera,M.; Bover,J.; Alsina,J.
Hosp. Bellvitge, Barcelona, Spain.

Thursday, Sept. 6
15:30 - 17:00

Poster Foyer B and C

PROTEIN INTAKE AND EARLY GLOMERULOPATHY IN KIDNEYS TRANSPLANTED TO DIABETIC PATIENTS.

NORDEN,G.; Nyberg,G.; Karlberg,I.; Oesterby,R.
Transpl.Unit,Depts.Int.Med.&Surg.,Göteborg,Sweden and
Univ.Inst.Path.,Aarhus, Denmark.

LIPID METABOLISM FOLLOWING COMBINED PANCREAS AND RENAL TRANSPLANTATION.

CANTAROVICH,D.; Lucas,B.; Krempf,M.; Paineau,J.; Soullillou,J.P.
University Hospital, Nantes, France.

RECOMBINANT HUMAN ERYTHROPOIETIN (rhEPO) IN PATIENTS WITH CHRONIC RENAL TRANSPLANT INSUFFICIENCY AND RENAL ANEMIA.

TRAINDL,O.; Franz,M.; Cuningham,S.; Pohanka,E.; Watschinger,B.;
Klauser,R.; Kovarik,J
2nd Dept. of Int. Med., Univ. of Vienna, Austria.

OUTCOME OF PREGNANCY FOLLOWING RENAL TRANSPLANTATION: THE BELFAST EXPERIENCE.

BROWN,J.H.; Maxwell,A.P.; McGeown,M.G.
Renal Unit, Belfast City Hosp., Belfast, UK.

EFFECTS OF RECOMBINANT HUMAN GROWTH HORMONE (rhGH) ON GROWTH, KIDNEY FUNCTION AND IMMUNE SYSTEM IN RENAL TRANSPLANTED CHILDREN.

TÖNSHOFF,B.; Tönshoff,C.; Pinkowski,J.; Heinrich,U.; Blum,W.F.;
Rascher,W.; Mehls,O.
Univ. Children's Hosp. Heidelberg, Essen and Tübingen, FRG.

RISK OF SEVERE CARDIAC SIDE EFFECTS AFTER TRANSPLANTATION OF UW PRESERVED KIDNEYS.

BUCHHOLZ,B.; Dietl,K.H.; Wigger,J.; Kisters,K.*; Prien,T.; Spieker,C.*;
(Intr. by K.H.Neumann).
Dept. of Surg. & Med. Univ. Poliklinik*, Münster, FRG.

USE OF UW SOLUTION IN KIDNEY TRANSPLANTATION.

WAMSER,P.; Gnant,M.; Sautner,T.; Steininger,R.; Mühlbacher,F.
Vienna Transpl. Center, Vienna, Austria.

Friday, Sept. 9
8:30 - 10:00

Hall B

FREE COMMUNICATIONS

RENAL PHYSIOLOGY, PHARMACOLOGY; HEMODYNAMICS, TUBULAR FUNCTION

Chairmen:

IMPORTANCE OF ENDOTHELIUM DERIVED RELAXING FACTOR (EDRF) FOR REGULATION OF RENAL VASCULAR RESISTANCE.

RADERMACHER,J.; Förstermann,U.; Frölich,J.C.
Dept.of Clin. Pharm., Hannover Med.School, Hannover, FRG.

INFLUENCE OF NITRO-L-ARGININE METHYL ESTER AND INDOMETHACIN ON THE DIRECT EFFECTS OF AMINO ACIDS ON RENAL FUNCTION.

El-Sayed,A.A.; HAYLOR,J.*; El Nahas,A.M.
Sheffield Kidney Inst., Dept. of Med. and Pharm.*, Sheffield, UK.

EVIDENCE FOR THE RELEASE OF AN INDOMETHACIN SENSITIVE VASOCONSTRICTOR FROM RENAL ARCULATE ARTERIES.

RICHARDS,N.T.; Poston,L.; Hilton,P.J.
St. Thomas' Hospital, London, UK

AMINO ACID INDUCED RENAL VASODILATATION IN NON-FILTERING MODELS OF THE ISOLATED RAT KIDNEY.

EL-SAYED,A.A.; Haylor,J.*; El Nahas,A.M.
Sheffield Kidney Inst., Dept. of Med. and Pharm.*, Sheffield, UK.

RENAL CELLULAR HYPOXIA IDENTIFIED BY MISONIDAZOLE BINDING.

Maxwell,P.; BROWN,H.; MacManus,M.; McGeown,M.
Renal Unit, Belfast City Hosp.,N Ireland, UK.

DETECTION OF COMPONENTS OF THE RENAL Na^+ -D-GLUCOSE COTRANSPORTER IN URINE OF HEALTHY SUBJECTS.

BIRK,H.-W.; Piberhofer,S.; Schnitterle,G.; Koepsell,H.*
Dept. of Int. Med., Justus-Liebig-Univ. Giessen,*Max-Planck-Inst. fnr Biophysik, Frankfurt/M, FRG.

Friday, Sept. 9
10:30 - 12:00

Hall B

FREE COMMUNICATIONS
CONTINUOUS AMBULATORY PERITONEAL DIALYSIS

Chairman: T.E. Wideroe (Norway)

MEASUREMENT OF PERITONEAL TRANSPORT FOR LOW MOLECULAR WEIGHT SOLUTES (LMWS). WHICH TEST SHOULD BE USED?

STRUIJK,D.G.; Krediet,R.T.; Koomen,G.C.M.; Boeschoten,E.W.; Arisz,L.
Renal Unit, Acad. Med. Centre, Amsterdam, NL.

EFFECTIVE REMOVAL OF ALBUMIN-BOUND FURAN-CARBOXYLIC ACID, AN INHIBITOR OF ERYTHROPOIESIS, BY CONTINUOUS AMBULATORY PERITONEAL DIALYSIS.

NIWA,T.; Yazawa,T.; Maeda,K.; Kodama,T.*; Uehara,Y.*
Dept. of Int. Med., Nagoya Univ. Branch Hosp.,Nagoya,Japan, *Kureha
Chem. Industr., Tokyo, Japan.

DAY TO DAY VARIABILITY OF PROTEIN TRANSPORT USED AS A METHOD FOR THE ANALYSIS OF PERITONEAL PERMEABILITY IN CAPD PATIENTS.

ZEMEL,D.; Krediet,R.T.; Koomen,G.C.M.; Struijk,D.G.; Arisz,L.
Academic Med. Centre, Amsterdam, NL.

LITHIUM CARBONATE (L) DECREASES PERITONEAL ULTRAFILTRATION RATES.

LAL; S.M.; Moore,H.; Groshong,T.; Nolph,K.D.
Univ. of Missouri, VA Hosp. & Dalton Res. Center, Columbia, MO, USA.

**PLASMA REFILLING RATE IN CAPD:
DOES IT REALLY MATTER?**

BURDIEL,L.G.; Jimenez,A.; Martin-Malo,A.; Castillo,D.; Barrio,V.;
Perez,R.; Moreno,E.; Aljama,P.
Hosp. Reina Sofia, Cordoba, Spain.

DO UREA PLASMA LEVELS CORRECTLY RELATE TO PROTEIN INTAKE (PI) IN CAPD PATIENTS (PTS)?

BERTOLI,S.; Barone,M.T.; Scorza,D.; Milani,S.; Genderini,A.;
Landriani,N.; Salvaggio,A.; Belgiojoso,B.G.
Renal Unit, "L.Sacco" Hosp., Milan, Italy.

Friday, Sept. 7

13:30 - 15:00

Hall B

FREE COMMUNICATIONS

HEMODIALYSIS: CARDIOVASCULAR ISSUES

Chairmen: V. Cambi (Italy), P. Aljama (Spain)

BRADYCARDIA AND HYPOTENSION DURING HEMODIALYSIS.

SANTORO,A.; Mancini,E.; Spongano,M.; Paolini,F.*; Rossi,M.*;
Zucchelli,P.

Div. di Nefrol. e Dial., M.Malpighi,Bologna, *Hospal Dasco, Medolla, Italy.

DISTURBANCE AND RECOVERY OF FLUID BALANCE DURING AND AFTER HEMODIALYSIS (HD) AND HEMOFILTRATION (HF).

KOUW,P.M.; Olthof,C.G.; Gerlag,P.G.G.*; Oe,P.L.; de Vries,P.M.J.M.

Free Univ. Hosp., Amsterdam and *Sint Joseph Hosp., Eindhoven, NL.

A POSSIBLE NORMOTENSIVE EFFECT OF THE ASSOCIATION OF HIGH ANF AND HIGH INTRACELLULAR Na IN HEMODIALYSED PATIENTS.

Monti,J.P.; Baz,M.; Dussol,B.; Gallice,P.; ELSÉN,R.; Berland,Y.; Crevat,A.
Univ. Aix-Marseille, France.

PLASMA ATRIAL NATRIURETIC PEPTIDE CONCENTRATION (ANP-c) DURING HEMODIALYSIS OR ULTRAFILTRATION FOR RENAL OR HEART FAILURE.

FORSLUND,T.*; Riddervold,F.**; Fauchald,P.**; Relander,A.*;
Simonsen,S.**; Torvik,D.**;

*Jyväskylä Central Hosp.,Jyväskylä,and *Minerva Inst. fnr Med.Res.,
Helsinki,SF,**Oslo Univ., Rikshospitalet, Oslo, Norwegen.

MYOCARDIAL ISCHEMIA DETECTION IN DIALYZED PATIENTS.

Humhal,J.; Nemecek,K.; MUNCLINGER,M.; Kasalicky,J.*; Dolejsova,V.
Dept. of Med. II, Charles Univ., *Inst. of Clin. and Experim. Med., Prague,
Czechoslovakia.

PULSED WAVE DOPPLER AND 2D ECHOCARDIOGRAPHY IN PATIENTS ON MAINTENANCE HEMODIALYSIS.

COSCI,P.; Corradi,B.; Caizzi,V.; Oddone,A.; Surian,M.

Renal Unit, Ospedale maggiore, Lodi, Italy.

Friday, Sept. 7
15:30-17:30

Hall B

FREE COMMUNICATIONS

UREMIA: METABOLISM AND COAGULATION

Chairmen: N.P. Mallick (UK), P. Schmidt (Austria)

EFFECTS OF INSULIN (I) AND AMINO ACIDS (AA) ON GLUCOSE (G) AND LEUCINE (L) METABOLISM IN CRF.

CASTELLINO,P.; Solini,A.; Pluvio,C.; Ciacci,C.; Pluvio,M.; Giordano,C.; De Fronzo,R.A. San Antonio, TX & Napoli, Italy.

INCREASED AMYLIN LEVELS IN PATIENTS ON CHRONIC HEMODIALYSIS.

LUDVIK,B.; Berzlanovich,A.; Hartter,E.; Lell,B.; Prager,R.; Graf,H. II.Dept.Med.,Univ. Vienna, Austria.

SUPPRESSIVE EFFECT OF ORAL SORBENT ON ACCUMULATION OF ALBUMIN-BOUND INDOXYL SULFATE IN SERUM OF EXPERIMENTAL UREMIC RATS AND HEMODIALYSIS PATIENTS.

NIWA,T.*; Yazawa,T.*; Maeda,K.*; Yamada,N.+; Shibata,M.+; Ise,M.#; Sugano,M.#; Kodama,T.#; Uehara,Y.#;

*Nagoya Univ.Hosp.,+Kakegawa Munic.Gen.Hosp.,#Kureha Chem.Ind., Tokyo, Japan.

ROLE OF FRUCTOSAMINES IN THE GLYCAEMIC STATUS OF DIABETIC PATIENTS ON DIALYSIS.

CORONEL,F.; Cidoncha,A.; Macia,M.; Hidalgo,L.; Torrente,J.; Diez-Baylon,J.C., Barrientos,A.; Valor,R.

Hosp. Clinico San Carlos, Madrid, Spain.

GENERATION OF FIBRINOPEPTIDE A (FPA) AND THROMBOXANE B2 (TXB2) AND RELEASE OF BETA-THROMBOGLOBULIN (BTG) IN VIVO IN URAEMIA.

MOOSA,A.; Greaves,M.; Brown,C.B.B.

Depts. of Haematol. and the Renal Unit, Royal Hallamshire Hosp., Sheffield, UK.

IMPAIRED REACTIVITY TOWARDS PLATELETS OF VESSEL SUBENDOTHELIUM PRODUCED BY ENDOTHELIAL CELLS (EC) INCUBATED WITH UREMIC SERUM.

CASES,A.; Aznar-Salatti,J.; Escolar,G.; Anton,P.; Ordinas,A.; Lopez-Pedret,J., Revert,L. Hosp. Clinic, Barcelona, Catalonia,Spain.

Friday, Sept. 7
8:30-10:00

Hall C

FREE COMMUNICATIONS
IgA GLOMERULONEPHRITIS

Chairmen: J. Egido (Spain), F.P. Schena (Italy)

**FUNCTIONAL SIGNIFICANCE OF HLA-DQ GENE
POLYMORPHISM IN IgA NEPHROPATHY (IgAN).**

MOORE,R.; Sinico,R.*; Medcraft,J.; D'Amico,G.*; Hitman,G.
The London Hosp., London, UK and San Carlo Hosp.*, Milan, Italy.

**ASSOCIATION OF HLA-DQ GENE POLYMORPHISM IN
EUROPEAN IgA NEPHROPATHY (IgAN).**

MOORE,R.; Medcraft,J.; Sinico,R.*; Mustonen,J.**; Venning,M.;
Richards,N.; D'Amico,G.*; Hitman,G.
The London Hosp.,London,UK,San Carlo
Hosp.*,Milan,Italy,Univ.Hosp.**Tampere,SF.

**PRELIMINARY CHARACTERISATION OF ENDOTHELIAL CELL
(EC) AUTOANTIGENS IN GLOMERULONEPHRITIS.**

PERRY,G.J.; Cameron,J.S.; Frampton,G.
Renal Unit, Guy's Campus, UMDS., London, UK.

SENDAI VIRUS INDUCED IgA NEPHROPATHY IN MICE.

Amore,A.; Emancipator,S.N.*; Nedrud,J.*; Roccatello,D.; Gianoglio,B.;
Piccoli,G.; COPPO,R.;
Nephrol. Dept., Univ.Turin, Italy, *Pathol. Dept. CWRU,Cleveland, Ohio,
USA.

**REMOVAL OF IgA/G COMPLEXES FROM CIRCULATION IN
HUMANS.**

ROCCATELLO,D.; Picciotto,G.; Coppo,R.; Ropolo,R.; Cacace,G.;
Amore,A.; Baccega,M.; Quattrocchio,G.; Molino,A.; Piccoli,G.
Univ. Inst. of Nephrol. and Nuclear Med. Turin, Italy.

**THE INCREASE OF GLOMERULAR THROMBOXANE
INFLUENCES GLOMERULAR HEMODYNAMIC ALTERATION IN
A MODEL OF IgA NEPHROPATHY (IgAN).**

GESUALDO,L.; Kesselheim,C.; Lamm,M.; Schena,F.P.*; Emancipator,S.N.
Inst. of Pathol., Case Western Reserve Univ.,Cleveland,OH-USA, *Chair of
Nephrol., Univ. of Bari, Italy.

Date: Friday, Sept. 7

10:30 - 12:00

Hall C

FREE COMMUNICATIONS

LIPIDS IN RENAL DISEASE

Chairmen: A. Attmann (Sweden), P. Balcke (Austria)

LOVASTATIN PARTIALLY RESTORES THE DECREASED GLOMERULAR PROTEOLYTIC ACTIVITY IN EXPERIMENTAL NEPHROTIC SYNDROME.

PACZEK,L.; Schaefer,R.M.; Kovar,J.; Heidland,A.
Univ. of Würzburg, Dept. of Nephrol., FRG.

LIPID LOWERING DRUGS DO NOT AMELIORATE THE COURSE OF EXPERIMENTAL NEPHROTIC SYNDROME.

SCHULZ,A.; Olbricht,C.J.; Koch,K.M.
Nephrol., Medical School, Hannover, FRG.

SINGLE-DOSE PHARMACOKINETICS OF LOVASTATIN IN CHRONIC RENAL FAILURE.

QUERIN,S.; Cusson,J.R.; Lambert,R.; Beroniade,V.; Falardeau,P.; Sweany,A.E.; Stubbs,J.; Vichers,S.; Gregoire,S.; Larochelle,P.
Hotel-Dieu and Merck Sharp & Dohme Res. Lab., Montreal, Canada.

APOLIPOPROTEIN B (apoB) METABOLISM IN PATIENTS WITH NEPHROTIC-RANGE PROTEINURIA.

WARWICK,G.L.; Packard,C.J.; Boulton-Jones,J.M; Demant,T.; Shepherd,J.
Royal Infirmary, Glasgow, UK.

POLYUNSATURATED FATTY ACIDS (PUFA) WORSEN LIPID PEROXYDATION (LPO) IN PREDIALYSIS PATIENTS.

SIRAJEDDINE,K.*; Richard,M.J.**; Tricot,F.***; Denis,M.C.**;
Cordonnier,D.*
Nephrol.*, Biochemie C** and A***, C.Hosp. Univ., Grenoble, France.

LIPOPROTEIN (LP) ABNORMALITIES AND PROGRESSION OF CHRONIC RENAL FAILURE (CRF).

BERGESIO,F.; Ciuti,R.*; Monzani,G.**; Frizzi,V.**; Sodi,A.
Nephrol. Dept. USLIO/D, Nephrol. Dept.** and Clin. Chem.* USLIO/C,
Florence, Italy.

Friday, Sept. 7

13:30 - 15:00

FREE COMMUNICATIONS
ENDOTHELIN

Chairmen: G. Remuzzi (Italy), E. Hartter (Austria)

IMMUNOREACTIVE ENDOTHELIN (iET) LEVELS IN SYSTEMIC VASCULITIS.

CASSIDY,M.J.D.; Takahashi,K.; Ghatei,M.A.; Pusey,C.D.; Bloom,S.R.; Rees,A.J.

Dept. of Med., Royal Postgrad. Med. School, Hammersmith Hosp., London, UK.

PLASMA ENDOTHELIN (ET) IN PATIENTS ON DIALYSIS TREATMENT (RDT) AND RENAL GRAFT RECIPIENTS.

STOCKENHUBER,F.*; Kurz,R.W.**; Loibl,U.***; Manker,W.***; Patek,E.*; Meisl,F.***; Balcke,P.*

1st Medical Clinic,Univ. of Vienna*, 1st Dept. of Med. KFJ**, 3rd Dept. of Med. WSP***, Vienna, Austria.

PLASMA-ENDOTHELIN IN NORMAL PERSONS AND IN PATIENTS WITH DIFFERENT DISEASES.

RUSCHITZKA,F.; Schrader,J.; Tebbe,U.; Borries,M.; Schoel,G.; Kandt,M.; Warneke,G.

Züchner,C.; Weber,M.H.; Neu,U.; Rath,W.; Henning,H.V.; Scheler,F.; (Intr. by F.Scheler), Med. Univ. Göttingen, FRG.

PLASMA ENDOTHELIN CONCENTRATION IN URAEMIC PATIENTS.

MALLAMACI,F.; Parlongo,S.; Zoccali,C.

Div. of Nephrol. and CNR Centre of Clin. Physiol., Reggio Cal, Italy.

PLASMA ENDOTHELIN (ET) IN CHRONIC HEMODIALYSIS (HD) AND CONTINUOUS AMBULATORY PERITONEAL DIALYSIS PATIENTS (CAPD).

DERAY,G.; Carayon,A.; Maistre,G.; Petitclerc,T.; Legrand,J.C.; Jacobs,C.

Depts. of Nephrol. and Biochem., Hop. Pitie-Salpetriere, Paris, France.

BIG-ENDOTHELIN IN PLASMA OF HEALTHY PERSONS, AND OF HEMODIALYSIS-PATIENTS.

HARTTER,E.*; Ludvik,B.; Schuller,M.; Lell,B.; Graf,H.

Boltzmann Inst.f.Klin.Endokr.* and II. Med.Univ.Klin., Vienna, Austria.

Friday, Sept. 7
15:30 - 17:00

Hall C

FREE COMMUNICATIONS
ATRIAL NATRIURETIC PEPTIDE

Chairmen: F. Kokot (Poland), C. Leithner (Austria)

**ANF INHIBITS THE RENIN AND ALDOSTERONE RESPONSE TO
A VARIETY OF DIFFERENT SECRETAGOGUES IN MAN.**

LANG,C.C.; McMurray,J.J.; Struthers,A.D.; (Intr.by Stewart W.K.)
Dept. of Clin. Pharm., Ninewells Hosp. and Med. School, Dundee, UK.

**DOES THE RENAL SYMPATHETIC NERVOUS SYSTEM ASSIST
OR OPPOSE THE NATRIURETIC EFFECT OF ANF IN MAN?**

LANG,C.C.; McMurray,J.J.; Choy,A.M.; Struthers,A.D.; (Intr.by Stewart
W.K.)
Dept. of Clin. Pharm., Ninewells Hosp. and Med. School, Dundee, UK.

**ATRIAL NATRIURETIC PEPTIDE AND CYCLIC-GMP
AFTER VOLUME LOAD IN PATIENTS WITH ESSENTIAL
HYPERTENSION AND AFTER RENAL TRANSPLANTATION.**

TALARTSCHIK,J.; Eisenhauer,T.; Gross,S.; Schwer,E.H.; Scheler,F.; (Intr.
by H.V.Henning).
Univ. Clinic, Dept. of Nephrology, Göttingen, FRG.

**CARDIAC RELEASE AND PLASMA CONCENTRATION
OF ATRIAL NATRIURETIC FACTOR (ANF) IN
PHEOCHROMOCYTOMA (PC).**

CASES,A.; Botey,A.; Navasa,M.; Jimenez,W.; Munoz,I.; Gines,P.;
Rivera,F.; Revert,L. (Intr. by J.Lopez)
Hosp. Clin., Barcelona, Catalonia, Spain.

**ATRIAL NATRIURETIC PEPTIDE (ANP) AND BLOOD VOLUME IN
PATIENTS WITH CHRONIC GLOMERULONEPHRITIS. EFFECTS
OF ALBUMIN AND FUROSEMIDE ADMINISTRATION.**

JESPERSEN,B.; Danielsen,H.; Pedersen,E.B.
Dept. of Med. C, Aarhus Kommunehosp., Univ.-Hosp. in Aarhus, DK.

**RELATIONSHIP BETWEEN ATRIAL NATRIURETIC PEPTIDE
(ANP) AND OUABAIN-LIKE FACTOR (OLF) IN HEMODIALYSIS-
PATIENTS.**

BOERO,R.; Guarena,C.; Deabate,M.C.; Forneris,G.; Borca,M.; Quarello,F.;
Pecchio,F.; Piccoli,G.
Nephro-Urol. Inst. of the Univ. (A.Vercellone), Torino, Italy.

Friday, Sept. 7
8:30 - 10:00

Hall D

WORKSHOP 8

DIALYSIS QUALITY: STATUS AND PERSPECTIVES

Chairman: H. Klinkmann (GRD)

**STATUS AND PERSPECTIVES IN BICARBONAT HEMODIALYSIS;
FROM TREND TO REALITY.**

U. Boberg, Gambro AB.

**BACKFILTRATION AND IMMUNE ACTIVATION DURING
HEMODIALYSIS WITH HIGH AND MODERATE
ULTRAFILTRATION COEFFICIENT DIALYSIS.**

E. Ruthberg, CD Medical

**PYROGEN PASSAGE THROUGH INTACT DIALYSIS
MEMBRANES WITH AND WITHOUT BACKFILTRATION.**

B. Reinhardt and G. Krick, Fresenius AG

**BACTERIA AND THEIR FRAGMENTS IN DIALYSATE:
COMPOSITION, BIOLOGICAL EFFECTS AND MEMBRANE
TRANSPORT.**

U. Baurmeister and J. Vienken, Akzo

THE FUTURE OF DIALYSIS MACHINES.

E. Petrella, Bellco Sp. A.

**CROSS OVER SINGLE NEEDLE DIALYSIS (ACC. PROF. K.F.
KOPP) - A NEW TECHNIC FOR CAREFUL AND EFFECTIVE
TREATMENT IN CHRONIC HEMODIALYSIS?**

R. Heitmeier

Friday, Sept. 7
10:30 - 12:00

Hall D

WORKSHOP 2

**EXPERIMENTAL MODELS OF GLOMERULAR DISEASE
- CLINICAL RELEVANCE**

Chairman: D. Kerjaschki (Austria)

NEW ASPECTS ON SYSTEMIC LUPUS ERYTHEMATOSUS.

A. Vogt, FRG

EPIMEMBRANOUS GLOMERULONEPHRITIS.

P. Verroust, France

MESANGIUM IN GLOMERULAR DISEASE.

B. Sterzel, FRG

GRAFT VERSUS HOST GLOMERULONEPHRITIS.

Ph. Hoedemaeker, NL

ANTI-GBM DISEASE.

A Rees, UK

Friday, Sept. 7
13:30 -15:00

Hall D

WORKSHOP 3

RAPIDLY PROGRESSIVE GLOMERULONEPHRITIS

Chairman: Ph. Druet (France)

**PATHOGENESIS
OF RAPIDLY PROGRESSIVE GLOMERULONEPHRITIS.**

L.A van Es

**CLINICO-PATHOLOGICAL CORRELATIONS AND OUTCOME
IN NECROTIZING CRESCENT GLOMERULONEPHRITIS.**

P. Ronco

**TREATMENT
OF RAPIDLY PROGRESSIVE GLOMERULONEPHRITIS.**

C. Pusey

**ANTIPROTEINASE 3 AUTOANTIBODIES IN WEGENER
GRANULOMATOSIS.**

W.L. Gross

Friday, Sept. 7

15:30 - 17:00

Hall D

WORKSHOP 4

**OPTIMIZING THE USE OF CYCLOSPORINE
AFTER KIDNEY TRANSPLANTATION**

Chairman: C. Ponticelli (Italy)

COMBINED THERAPY WITH CYCLOSPORINE.

D. Fries, France

**LOW DOSE CYCLOSPORINE AFTER KIDNEY
TRANSPLANTATION.**

G. Thiel, CH

**CONVERSION FROM CYCLOSPORINE TO CONVENTIONAL
THERAPY.**

A.M.M. Kootte NL

CYCLOSPORINE MONOTHERAPY.

N.P. Mallick, UK

**CONTROLLED STUDIES COMPARING MONO-, DOUBLE- AND
TRIPLE-THERAPY AFTER KIDNEY TRANSPLANTATION.**

C. Ponticelli, Italy

Friday, Sept. 7

17:15 - 18:15

Hall D

GENERAL ASSEMBLY

Friday, Sept. 7
8:30 - 10:00

Hall G/H

FREE COMMUNICATIONS

INFECTION AND IMMUNOLOGY IN RENAL TRANSPLANTATION

Chairmen: F. Brunner (Switzerland), J.Kovarik (Austria)

INCIDENCE AND ROLE OF HEPATITIS C VIRUS (HCV) IN LIVER DISEASE OF RENAL TRANSPLANT (RT) RECIPIENTS.

PONZ,E.; Campistol,J.M.; Barrera,J.M.; Gil,C.; Andreu,J.; Bruguera,M.
Hospital Clinic, Barcelona, Spain.

CLINICAL IMPLICATIONS OF THE PRESENCE OF ANTIBODY TO HEPATITIS C POSITIVE AFTER RENAL TRANSPLANTATION.

MORALES,J.M.; Campo,C.; Castellanos,G.*; Colina,F.**; Fuertes,A.**;
Andres,A.; Moreno,F.; Prieto,C.; Rodicio,J.L.;
Nephrol., Gastroenterol.*; Pathol.** & Bacteriol.*** Depts., Hosp. 12
Octubre, Madrid, Spain.

CYTOMEGALOVIRUS DIRECTLY ENHANCE MHC CLASS I AND ICAM-1 EXPRESSION ON CULTURED ENDOTHELIAL CELLS AND PROXIMAL TUBULAR EPITHELIAL CELLS.

VAN DORP,W.T.; Marselis-Jonges,E.; van Wieringen,P.A.M.;
Bruggeman,C.A.; Daha,M.R.; van Es,L.A.; van der Woude,F.J.
Dept.Nephrol.,Univ.Hosp. Leiden, The Netherlands.

SERUM INTERLEUKIN 2 RECEPTOR (IL2r) AND TUMOUR NECROSIS FACTOR (TNF) IN CHRONIC RENAL ALLOGRAFT REJECTION.

DENNIS,M.; Porter,C.; Innes,A.; Morgan,A.
City Hosp., Nottingham, UK.

EXPRESSION OF ICAM-1 IN RENAL ALLOGRAFTS.

LHOTTA,K.; Stauder,R.; König,P.
Dept. of Int. Med., Univ. Hosp. of Innsbruck, Austria.

HLA-DR EXPRESSION ON TUBULAR CELLS (Tc) OF TRANSPLANTED KIDNEYS (TxK) BY ASPIRATION CYTOLOGIES (TAC).

GONZALEZ-POSADA,J.M.; G Castro,M.C.; Lorenzo,V.; Hdez,D.;
Maceira,B.
S Nefrol., H. Univ., Tenerife, Spain.

Friday, Sept. 7

10:30 - 12:00

Hall G/H

FREE COMMUNICATIONS

CYSTIC KIDNEY DISEASE

Chairmen: J.-P. Grünfeld (France), I. Taraba (Hungary)

EARLY ONSET OF HYPERTENSION IN AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE (ADPKD).

GEBERTH, St.; Zeier, M.; Gladziwa, U.*; Ritz, E.

Depts. Med. Univ. Heidelberg and Aachen*, FRG.

GENETIC HETEROGENEITY AND USE OF MAPPING TECHNIQUES IN ADULT POLYCYSTIC KIDNEY DISEASE.

POUND, S.E.; Macnicol, A.M.; Pignatelli, P.M.; Carothers, A.D.; Wright, A.F.; Watson, M.L. (Intr. by Winney, R.J.)

MRC Human Gen. Unit, Edinburgh and Dept. of Med., Royal Inf. of Edinburgh, UK.

PROGNOSIS OF ADULT POLYCYSTIC KIDNEY DISEASE (APKD).

GONZALO, A.; Rivera, M.; Quereda, C.; Ortuno, J.

Hosp. Ramon y Cajal, Madrid, Spain.

RENAL VASCULAR RESISTENCE (RVR) AND THE RENIN ANGIOTENSIN SYSTEM (RAS) IN ADULT POLYCYSTIC KIDNEY DISEASE (APKD).

Macnicol, A.M.; WATSON, M.L.; Wright, A.F.*; (Intr. by Winney, R.J.)

Dept. of Med., Royal Inf. and *MRC Clinical Genetics Unit, Edinburgh, UK.

EFFECT OF REDUCTION OF CYST VOLUME BY PERCUTANEOUS CYSTIC PUNCTURE ON THE RENAL FUNCTION IN THE POLYCYSTIC KIDNEY DISEASE (PCKD).

GARCIA GARCIA, M.; Bru, C.; Campistol, J.M.; Piera, C.; Torras, A.; Ponz, E.; Revert, L.

Hosp. Clinic i Provincial, Univ. de Barcelona.

ACQUIRED CYSTIC KIDNEY DISEASE IN PEDIATRIC PATIENTS WITH CHRONIC RENAL INSUFFICIENCY.

QUERFELD, U.; Schneble, F.; Stiedl, B.; Wrazidlo, W.; Waldherr, R.; Mehls, O.; Schärer, K.

Univ. Children's Hosp., Heidelberg, FRG.

Friday, Sept. 7
13:30 - 15:00

Hall G/H

FREE COMMUNICATIONS

B2M AND DIALYSIS RELATED AMYLOIDOSIS

Chairmen: S. Shaldon (France), J.P. Wauters (Switzerland)

**COMPLETE AMINO ACID SEQUENCE OF SERUM NOVEL
B2-MICROGLOBULIN.**

SAITO,A.; Odani,H.; Ogawa,H.; Ono,M.
The Bio-Dynamics Research Inst., Nagoya, Japan.

**IN VIVO POLYMERIZATION OF B2m IN HAEMODIALYZED
PATIENTS IS LIMITED TO A MINOR FORM (pl 5,3) OF THE
MOLECULE.**

VINCENT,C.*; Dennonroy,L.**; Letienne,Ph.*; Revillard,J.P.*
*Immunol. Lab. INSERM U80 and **CNRS Centre de sequencage Lyon,
France.

**FACTORS INFLUENCING THE ONSET OF DIALYSIS RELATED
AMYLOIDOSIS (DRA).**

VAN YPERSELE DE STRIHOU,C.; Jadoul,M.; Maldague,B.; Jamart,J.;
and the Working Party on Dialysis Amyloidosis.
Univ. of Louvain Med. School, Brussels, Belgium.

**B2-MICROGLOBULIN AND BONE RESORPTION IN MICE
CALVARIAE.**

Kang,M.S.; Li,C.C.; PETERSEN,J.
Palo Alto VAMC and Stanford Univ., Stanford, CA.

**EROSIVE ARTHROPATHY AND AMYLOID DEPOSITS BEFORE
HEMODIALYSIS - REPORT OF 2 CASES.**

MORINIERE,Ph.; El Esper,N.; Westeel,P.F.; Marie,A.; Houllier,S.;
Deramond,H.; Sebert,J.L.; Fournier,A.
CHU Amiens, France.

**SHOULDER JOINT PAIN AND STIFFNESS IN LONG-TERM
HEMODIALYSIS PATIENTS.**

Okutsu,I.; OTSUBO,O.; Otsubo,K.; Ninomiya,S.; Takatori,Y.
Japanese Red Cross Med. Center, Tokyo, Japan, Toranomon Hosp.,
Tokyo,Japan.

Friday, Sept. 7

15:30 - 17:00

Hall G/H

**FREE COMMUNICATION
ERYTHROPOIETIN**

Chairmen: F. Valderrabano (Spain), H.-K. Stummvoll (Austria)

☛ ERYTHROPOIETIN INDUCES CONTRACTION OF ISOLATED RENAL SMALL RESISTANCE VESSELS.

HEIDENREICH,S.; Rahn,K.H.; Zidek,W.
Med. Univ.-Poliklinik, Münster, FRG.

CHANGES IN MUSCLE FUNCTION FOLLOWING THE ADMINISTRATION OF ERYTHROPOIETIN (EPO) TO CHRONIC HEMODIALYSIS (HD) PATIENTS.

DAVENPORT,A.; Khanna,S,K.; King,R.; Ironside,J.; Will,E.J.;
Davison,A.M. Dept.Ren.Med., St. James Univ.Hosp., Leeds, U.K.

THE CHANGES OF ENERGY METABOLISM IN ERYTHROCYTES OF DIALYSIS PATIENTS TREATED WITH r-ERYTHROPOIETINE, MEASURED BY ³¹P-NMR SPECTROSCOPY.

NISHIDA,A.; Kubo,K.; Ohtsuka,H.; Tabata,R.; Nihei,H.; Sugino,N.
Kidney Center, Tokyo Women's Medical College and Kirin Brewery Co.Ltd., Tokyo, Japan.

INFLUENCE OF ERYTHROPOIETIN (r-EPO) TREATMENT ON DYNAMIC AND STRUCTURAL PROPERTIES OF ERYTHROCYTES (E) LIPID LAYER.

Nowak,J.; Bautembach,S.; RUTKOWSKI,B.; Debska-Slizien,A.; Terlecki,J.; Manitius,A.
Physics & Biophysics Dept.,Nephrol.Dept,Med.Acad., Gdansk, Poland.

RAPID CORRECTION OF IMPAIRED ERYTHROCYTE DEFORMABILITY BY ERYTHROPOIETIN IN CHILDREN ON REGULAR HEMODIALYSIS.

BOEHLER,T.; Leo,A.; Bosch,A.; Linderkamp,O.; Schärer,K.
Univ. Children's Hosp., Heidelberg, FRG.

GROWTH HORMONE (GH) RESPONSE TO GROWTH HORMONE RELEASING HORMONE (GHRH) IN HEMODIALYZED PATIENTS. EFFECT OF ACUTELY ADMINISTERED RECOMBINANT HUMAN ERYTHROPOIETIN (rhEPO).

CREMAGNANI,L.; Cantalamessa,L.; Orsatti,A.; Vigna,L.; Bianchi,M.L.;
Buccianti,G. Clin. Med. I, Univ. of Milan, Italy.

Friday, Sept. 7

8:30 - 10:00

Hall I/K

**FREE COMMUNICATIONS
PEDIATRIC NEPHROLOGY**

Chairmen: G. Rizzoni (Italy), E. Balzar (Austria)

**ALBUMIN CHARGE DISTRIBUTION PATTERN IN URINE
AND PLASMA OF CHILDREN WITH DIFFERENT FORMS OF
NEPHROTIC SYNDROME.**

FILLER,G.; Jones,D.H.; Barratt,T.M.

Dept. of Pediatr. Nephrol., Inst. of Child Health, London, UK.

**LONG-TERM PROGNOSIS OF REFLUX NEPHROPATHY (RN) IN
RELATION TO RADIOLOGICAL FINDINGS IN CHILDHOOD.**

JACOBSON,S.H.; Eklöf,O.; Lins,L.E.; Wikstad,I.; Winberg,J.

Dept. Med. Div. Nephrol., Radiol. and Paediatr., Karolinska and S:t Göran
Hosp., Stockholm, Sweden.

**RENAL FUNCTIONAL RESERVE IN CHILDREN WITH SEVERE
VESICoureTERIC REFLUX.**

COPPO; R.*; Porcellini,G.*; Gianoglio,B.*; Bianchi,M.**; Lace,R.**;

Alessi,D.*; Longo,L.*; Gaido,M.*; Bonaudo,R.*

Nephrol. a. Dial.*;Urol.** Depts,Reg. Marg. Children Hosp.Torino,Italy.

**APPLICATION OF BIOELECTRICAL IMPEDANCE ANALYSIS IN
THE MEASUREMENT OF BODY WATER IN HEMODIALYSED
AND NEPHROTIC CHILDREN.**

SCHAEFER,F.; Wühl,E.; Schärer,K.

Univ. Children's Hospital, Heidelberg, FRG.

**REDUCED BIOPOTENCY OF LUTEOTROPIC HORMONE (LH)
SECRETION IN DIALYZED AND TRANSPLANTED
ADOLESCENTS.**

SCHAEFER,F.; Mitchell,R.; Robertson,W.R.; Seidel,C.; Schärer,K.

Depts. of Pediatr. and Pharmacol.,Univ.Heidelberg,FRG,Hope Hosp.

Salford UK & Study Gr. on Pubertal Development in Chronic Renal Failure
(CRF).

**SCHOOLING OCCUPATION AND QUALITY OF LIFE IN
PEDIATRIC PATIENTS WITH CHRONIC RENAL FAILURE.**

ROSENKRANZ,J.; Bonzel,K.; Bulla,M.; Michalk,D.; Offner,G.;

Reichwald-Klugger,E.;Schärer,K.

Univ. Children's Hosps. Essen,Heidelberg,Münster,Cologne,Hanover, FRG.

Friday, Sept. 7
10:30 - 12:00

Hall I/K

FREE COMMUNICATIONS
B2M AND DIALYSIS RELATED AMYLOIDOSIS

Chairman: C. Van Ypersele (Belgium)

**131-I-beta2-MICROGLOBULIN FOR THE DETECTION OF
DIALYSIS RELATED AMYLOIDOSIS (DRA).**

Floege,J.; SCHAEFFER,J.; Burchert,W.; Nonnast-Daniel,B.; Brandis,A.;
Spindler,E.*; Hundeshagen,H.; Shaldon,S.**; Koch,K.M.;
Depts. Nephrol., Nuclear Med., Univ. Hosp. Hannover,FRG and **Nimes
France, Akzo,FRG*.

**DIAGNOSTIC IMAGING OF DIALYSIS-AMYLOIDOSIS (D-AM)
WITH 131 I-beta2 MICROGLOBULIN (beta2-M). PRELIMINARY
RESULTS.**

PONZE,E.; Piera,C.; Campistol,J.M.; Lomena,F.; Deulofeu,R.; Munoz,J.;
Revert,Ll.
Hospital Clinic, Barcelona, Spain.

**ULTRASONOGRAPHIC DETECTION OF THICKENED JOINT
CAPSULES AND TENDONS: AN EARLY MARKER OF DIALYSIS-
RELATED AMYLOIDOSIS (DRA).**

JADOUL,M.; Malghem,J.; Vandeberg,B.; van Ypersele de Strihou,C.
Univ. of Louvain Med. School, Brussels, Belgium.

**HIP'S SYNOVIAL THICKNESS AND LATE DIALYSIS
ARTHROPATHY.**

CALEMARD,E.; Charra,B.; Terrat,J.C.; Vanel,T.; Chazot,C.; Laurent,G.;
Pracros,J.P.
Centre de rein artificiel & Centre de radiol., Tassin, France.

**TURNOVER STUDIES OF LABELED B2-MICROGLOBULIN IN
HAEMODIALYZED PATIENTS (1).**

CHANARD,J.; Vincent,C.; Caudwell,V.; Cohen,J.H.M.; Revillard,J.P.
CHRU, Reims and INSERM U80, Lyon Cedex 3, France.

**TURNOVER STUDIES OF LABELED B2-MIROGLOBULIN IN
HAEMODIALYZED PATIENTS (2): EVIDENCE FOR EXTRA-
RENAL CAPTATION OF THE MOLECULE.**

VINCENT,C.; Caudwell,V.; Chanard,J.; Cohen,J.H.M.; Revillard,J.P.
INSERM U80, Lyon Cedex 3 and CHRU, Reims, France.

Friday, Sept. 7
13:30 - 15:00

Hall I/K

**FREE COMMUNICATIONS
IMMUNOSUPPRESSION AND SENSITIZATION
IN RENAL TRANSPLANTATION**

Chairman: Y. Pirson (Belgium)

☛ **THE IMPACT OF A CONCURRENT PANCREAS ALLOGRAFT
ON REJECTION ACTIVITY IN DIABETIC RECIPIENTS OF
1° CADAVERIC RENAL ALLOGRAFTS.**

FROHNERT,P.P.; Rosen,C.B.; Velosa,J.A.; Sterioff,S.; Perkins,J.D.; (Intr.
by Koch,K.M.) Mayo Clinic and Found., Rochester, MN, USA.

PREVENTION OF SENSITISATION BY CYCLOSPORIN.

JONES,M.C.; Weber,B.; Stewart,K.N.; MacLeod,A.M.; Catto,G.R.D.;
Power,D.A. Univ. Dept. of Med. & Therapeutics, Aberdeen AB9 2ZD, UK.

FK506 AND ESTABLISHED ALLOANTIBODY RESPONSES.

PROPPER,D.; Woo,J.; Thomson,A.; Power,D.; Catto,G.; MacLeod,A.
Univ. of Aberdeen, Aberdeen, UK.

**NON INHERITED MATERNAL ANTIGENS DO NOT OFFER
PROTECTION AGAINST SENSITIZATION AFTER
DONOR-SPECIFIC TRANSFUSION.**

POHANKA,E.; Lou,C.; Cohen,N.; Colombe,B.W.; Salvatierra jr.,O.;
Garovoy,M.R.

Immunogenetics and Transpl. Lab. and Transpl. Serv., Univ. of California,
San Francisco, USA.

**IS OUTCOME OF KIDNEY TRANSPLANT (KT) DIFFERENT IN
HIGHLY SENSITIZED PATIENTS THAN IN NON
HYPERIMMUNIZED ?**

Perez,R.; CASTILLO,D.; Martin-Malo,A.; Burdiel,L.G.; Gomez,J.M.;
Barrio,V.; Moreno,E.; Aljama,P.
Hosp. Reina Sofia, Cordoba, Spain.

**COMPARISON OF TWO DIFFERENT TRIPLE-IMMUNO-
SUPPRESSANT MODALITIES IN LIVING-RELATED KIDNEY
TRANSPLANTATION.**

TAKAHASHI,K.; Yagisawa,T.; Tanabe,K.; Nakazawa,H.; Teraoka,S.;
Toma,H.; Agishi,T.; Ota,K.
Kidney Center, Tokyo Women's Med. College, Tokyo, Japan

Friday, Sept. 7
15:30 - 17:00

Hall I/K

FREE COMMUNICATIONS

EXPERIMENTAL STUDIES ON MESANGIAL CELLS AND GBM

Chairmen: A.J. Rees (UK), V.E. Andreucci (Italy)

EXTRACELLULAR MATRIX MODULATES THE EXPRESSION OF PDGF-RECEPTOR ALPHA-AND BETA- SUBUNITS IN RAT MESANGIAL CELLS.

MARX,M.; Kashgarian,M.; Madri,J.A.; (Intr. by J.Mann)
Dept. of Pathol., Yale Univ., New Haven, CT, USA.

INCREASE OF FIBRONECTIN (Fn) PRODUCTION IN MESANGIAL CELLS BY MACROPHAGE (Mo) CULTURE SUPERNATANTS.

MOSQUERA,J.; Schreiner,G.; Rodriguez-Iturbe,B.; (Intr. by J.Rossman).
Univ. del Zulia, Maracaibo, Venezuele and Washington Univ., St. Louis, USA.

REACTIVITY OF MONOCLONAL ANTIBODIES TO CULTURED MESANGIAL CELLS WITH NORMAL KIDNEY SECTIONS.

STEWART,K.N.; Roy-Chaudhury,P.; Jones,M.C.; Lumsden,L.;
MacLeod,A.M.; Simpson,J.G.*; Power,D.A.
Univ. of Aberdeen, Aberdeen, AB9 2ZD, UK.

REGULATION OF PROSTAGLANDIN PRODUCTION IN CYTOKINE STIMULATED HUMAN MESANGIAL CELLS.

TOPLEY,N.; Floege,J.*; Martin,M.; DeWitt,D.**; Koehler,L.; Kaefer,V.;
Resch,K.
Depts. of Molecular Pharm. and *Nephrol., Univ. Hosp. Hannover,FRG,
**Biochem. Michigan State Univ., East Lansing, USA.

CATIONIC COLLOIDAL GOLD DETECTION OF GLOMERULAR ANIONIC SITES.

GOODE,N.P.; Shires,M.; Crellin,D.M.; Davison,A.M.
Renal Research Unit, Dept. of Renal Med., St. James' Univ. Hosp., Leeds, UK.

TOXIC EFFECTS OF CICLOSPORINE METABOLITE COMBINATIONS ON MESANGIAL CELLS.

RADEKE,H.H.; Christians,U.; Sewing,K.F.; Resch,K.; (Intr. by U. Frei).
Mol. Pharmac., Med. School Hannover, FRG.

Friday, Sept. 7
8:30 - 10:00

Poster Foyer B and C

POSTER SESSION 3

ERYTHROPOIETIN

Chairmen: R.A.P Koene (Netherlands), R.Schmidt (GDR)

FERROKINETICS IN AZATHIOPRINE-TREATED URAEMIC PATIENTS ON ERYTHROPOIETIN.

ANASTASSIADES,E.; Howarth,D.; Gokal,R.; Howarth,J.; Shanks,D.;
Waters,H.M.; Hyde,K.; Geary,C.G.; Liu Yin,J.A.

Depts. of Renal Med. and Haematol., Manchester Royal Inf., UK.

ERYTHROID PRECURSORS AND THE RESPONSE TO THERAPY WITH RECOMBINANT HUMAN ERYTHROPOIETIN (r-HuEPO).

BRUNATI,C.; Cappellini,M.D.*; Perrino,M.L.; Civati,G.; Minetti,L.

Renal Unit, Ca'Granda Milan and Univ. of Milan, Milan, Italy.

EFFECT OF RECOMBINANT ERYTHROPOIETIN (r-HuEPO) ON THE DEFENSE SYSTEM AGAINST RED CELL OXIDATION IN UREMIC PATIENTS ON HEMODIALYSIS.

MOLL,R.; Miguel Garcia,A.; Miguel Sosa,A.; Martin,J.; Bernat,A.;
Garces,L.; Escobedo, J.M.; Perez,A.

Hosp. General de Valencia, Spain.

INCREASED SENSITIVITY OF SYMPATHETIC NERVOUS SYSTEM UNDER RECOMBINANT HUMAN ERYTHROPOIETIN (EPO) THERAPY IN HAEMODIALYSIS PATIENTS.

KSIAZEK,A.; Solski,J.; Wawrzycki,S.; Janicka,L.; Zaluska,W.

Dept. Nephrol. Med. School, Lublin, Poland.

CORRECTION OF RENAL ANEMIA BY DAILY SUBCUTANEOUS (S.C.) ADMINISTRATION OF ERYTHROPOIETIN (EPO): AN APPROACH TO AVOID THE INDUCTION OF HYPERTENSION (H).

NONNAST-DANIEL,B.; Frei,U.; Pollok,M.*; Granolleras,C.**;
Shaldon,S.**; Koch,K.M.

Med. Schools Hannover, *Cologne,FRG, **Univ. Hosp. Nimes, France.

Friday, Sept. 7
8:30 - 10:00

Poster Foyer B and C

HIGH ALUMINUM LEVELS INTERFERE WITH THE RESPONSE TO RECOMBINANT HUMAN ERYTHROPOIETIN.

CASATI,S.; Castelnovo,C.; Campise,M.; Ponticelli,C.
Dept.Nephrol., Osp.Maggiore, Milan, Italy.

EFFECTS OF CORRECTING ANEMIA BY RECOMBINANT HUMAN ERYTHROPOIETIN (rHuEPO) ON BODY FLUIDS DISTRIBUTION OF CHRONIC UREMIC MAN.

CANNELLA,G.; Gaggiotti,M.; Sandrini,M.; Movilli,E.; Mombelloni,S.; Maiorca,R.
Dept.Nephrol.,School Med., Brescia, Italy.

WHAT IS THE OPTIMAL APPLICATION FORM OF r-HUEPO IN UREMIC PATIENTS ?

BOMMER,J.; Barth,H.P.; Ritz,E.; Nowak,R.; Bommer,G.; Ziegler,T.; Zeier,M.
Med.Univ.Hosp., Heidelberg,FRG.

OXYGEN-AFFINITY OF HEMOGLOBIN AFTER ERYTHROPOIETIN IN PATIENTS ON DIALYSIS AND AFTER KIDNEY TRANSPLANTATION.

KHAN-BLOUKI,K.; Lange,H.; Schaub,U.; Fuhrmann, G.F.
Ctr.Int.Med.,Dept.Nephrol.&Pharmacol.,Univ. Marburg, FRG.

HEMODIALYSIS (HD) EFFICIENCY AFTER THE INCREASE IN HEMATOCRIT (Hct) INDUCED BY RECOMBINANT HUMAN ERYTHROPOIETIN (r-HuEPO).

Fernandez,E.; Betriu,M.A.; Sorribes,A.; MONTOLIU,J.; and the Nursing Team; Nephrol.
Serv., Hosp. Arnau de Vilanova and Dept. of Biostatistics, Estudi Gen. de Lleida, UB, Lleida, Spain.

ENZYME ACTIVITIES IN PERIPHERAL BLOOD NEUTROPHILS FROM HAEMODIALYSED PATIENTS WITH END-STAGE KIDNEY TREATED BY RECOMBINANT HUMAN ERYTHROPOIETIN.

SULOWICZ,W.; Hanicki,Z.; Lisiewicz,J.; Kuzniewski,M.; Krasniak,A.; Kopec,A.; Kopec,J.
Depts. of Nephrol. and Haematol., Copernicus Med. Acad., Cracow, Poland.

Friday, Sept. 7

8:30 - 10:00

Poster Foyer B and C

ANEMIA IN DIALYSIS: ITS RELATION WITH ACQUIRED CYSTIC KIDNEY DISEASE (ACDK) AND SERUM LEVELS OF ERYTHROPOIETIN (EPO).

FERNANDEZ,A.; Hortal,L.; Rodriguez,J.C.; Vega,N.; Plaza,C.; Perdomo,M.; Palop,L. (Intr. by Ortuno,J.),
H.Ntra. Sra. del Pino, Las Palmas, Spain.

RENORMALIZATION OF HIGH CARDIAC OUTPUT AND OF LEFT VENTRICULAR SIZE FOLLOWING LONG-TERM RECOMBINANT HUMAN ERYTHROPOIETIN (rHuEPO) TREATMENT OF ANEMIC DIALYZED UREMIC PATIENTS.

CANNELLA,G.; Sandrini,M.; Gaggiotti,M.; Movilli,E.; Mombelloni,S.; Maiorca,R.
Dept.Nephrol.,School Med., Brescia, Italy.

BLOOD RETICULOCYTES, ERYTHROPOIETIN (EPO), AND HEMOGLOBIN INCREASE AFTER PARATHYROIDECTOMY (PTx) IN HEMODIALYSIS (HD) PATIENTS.

URENA,P.; Eckardt,K.U.; Zingraff,J.; Juquel,J.P.; Sarfati,E.; Kurtz,A.; Drüeke,T.
Dept.Nephrol. & U90,Hop.Necker,AURA & S.Chir, Hop.St. Louis, Paris, France. Physiol.Inst.Univ. Zurich, Switzerland.

OXYGEN CAPACITY AND EFFECTIVENESS OF ENERGY TURNOVER UNDER EPO-ADMINISTRATION.

JEDICKE,H.; Lange,H.
Ctr.Int.Med.Dept.Nephrol.,Univ. Marburg, FRG.

REVERSAL OF ERYTHROPOIETIN (EPO) RESISTANT ALUMINIUM RELATED ANAEMIA (ARA) BY DESFERRIOXAMINE (DFO) IN PATIENTS ON REGULAR HAEMODIALYSIS TREATMENT (RDT).

YAQOOB,M.; Ahmad,R.
Regional Renal Unit, Sefton General Hosp., Liverpool, UK.

PHARMACOKINETICS OF INTRAVENOUS RECOMBINANT ERYTHROPOIETIN (r-EPO) PRIOR TO AND DURING LONG-TERM TREATMENT IN HEMODIALYSIS PATIENTS.

Salmonson,T.; WIKSTRÖM,B.; Danielson,B.G.
National Board of Health and Welfare, Dept. of Drugs and Renal Section, Dept. of Int. Med., Univ. Hosp., Uppsala, Sweden.

Friday, Sept. 7
10:30 - 12:00

Poster Foyer B and C

POSTER SESSION 4

- **RENAL BONE DISEASE**
- **HEMODIALYSIS, VASCULAR ACCES**

Chairmen: R. Vanholder (Belgium), U. Binswanger (Switzerland)

INTRAVENOUS CALCITRIOL SUPPRESSION TEST: A SCREENING FOR CHRONIC TREATMENT.

ROLLA,D.; Lamperi,D.; Paoletti,E.; Molinelli,G.
Nephrol. Dept. S.Martino Hosp., Genoa,Italy.

THE EFFECT OF CALCIUM ACETATE AND CALCITRIOL ON THE CALCIUM AND PHOSPHORUS METABOLISM IN HEMODIALYSIS PATIENTS.

SCHAEFER,K.*; Scheer,J.*; Asmus,G.*; v.Herrath,D.*;
Sperschneider,H.**; Gnnther,K.**; Stein,G.**
*St. Joseph-Krhrs I,Berlin,FRG, **Friedr.-Schiller-Univ.,Jena, GDR.

VITAMIN D THERAPY IN NEPHROTIC SYNDROME.

GRAZIANI,G.; Salvadeo,S.; Dell Orto,A.; Moroni,G.; Rivolta,E.; (Intr. by
C.Ponticelli)
Osp. Maggiore Milano, Clin. del Lavoro Pavia, Italy.

CALCIUM ACETATE: A SUITABLE ALTERNATIVE TO CALCIUM CARBONATE AS PHOSPHATE BINDER.

Papadakis,J.; PATRIKAREA,A.; Barbatsi,A.; Makriniotou,J.; Xenos,K.;
Blatsoukas, G.; Basiakou,S.; Kravaritis,A.
Renal Unit of NIMTS Hosp., Athens, Greece.

SIGNIFICANCE OF OSTEOCALCIN (OC) IN DIAGNOSIS OF RENAL BONE DISEASE IN HEMODIALYSIS PATIENTS (HD).

SPERSCHNEIDER,H.; Michael,R.; Gnnther,K.; Abendroth,K.; Stein,G.;
(Intr. by Schaefer,K.)
Dept. of Int.Med.,Univ.of Jena, Inst. of Nuclearmedizin, Schwerin, GDR.

COMPARISON OF INTACT MEDIUM AND CARBOXY TERMINAL ASSAYS OF PARATHYROID HORMONE FOR THE DIAGNOSIS OF BONE DISEASE IN HEMODIALYZED PATIENTS.

WESTEEL,P.F.; Cohen Solal,M.E.; Sebert,J.L.; Marie,A.; Moriniere,Ph.;
Gueris,J.; Bouillon,R.; Fournier,A.
CHRU Amiens, France.

Friday, Sept. 7
10:30 - 12:00

Poster Foyer B and C

COMPARISON OF TWO PTH ASSAYS: OSTEOCALCIN (OC), AND VITAMIN D METABOLITES WITH BONE HISTOMORPHOMETRY IN PREDIALYSIS PATIENTS.

HERNANDEZ,D.; Lorenzo,V.; Concepcion,T.; Martinez,M.; Posada,J.;
Maceira,B.; Torres,A.
Nephrol. Unit, Hosp. Univ. Canarias, Tenerife, Spain.

ACUTE EFFECTS OF CALCIUM CITRATE AND CARBONATE ON SECONDARY HYPERPARATHYROIDISM OF CHRONIC RENAL FAILURE.

SAHA,H.; Pietilö K.; Pasternack,A.; Mustonen,J.; Märsky,P.; Seppänen,E.
Dept. of Clin. Sciences, Univ. of Tampere, SF.

EFFECT OF Na AND Ca MASS-BALANCE (MB) ON PHOSPHATE REMOVAL DURING HEMODIAFILTRATION (HDF).

DE CRISTOFARO,V.; Pagliari,B.; Sama,F.; Baretta,A.; Imbasciati,E.
Ospedale di Sondrio, Italy.

PLASMA CALCIUM FRACTION DYNAMICS AND CALCIUM MASS TRANSFER DURING PREDILUTION HIGH EFFICIENCY BICARBONATE HEMOFILTRATION (HEHF).

MALBERTI,F.; Surian,M.
Renal Unit, Lodi, Italy.

ALUMINUM-RELATED BONE DISEASE IN RATS WITH RENAL FAILURE: EFFECT OF FLUORIDE (F) AND 24,25(OH)2D3.

ITTEL,T.H.; Handt,S.; Sieberth,H.G.
R.W.T.H., Aachen, FRG.

CALCITRIOL AND CALCIUM CARBONATE THERAPY IN EARLY CHRONIC RENAL FAILURE (ECRF).

BIANCHI,M.L.; Colantonio,G.*; Lorenz,M.; Cresseri,D.; Valenti,G.;
Rossi,R.*; Buccianti,G.
Clinica Med. I, *Osp.S.Anna, Como, Univ. di Milano, Milano, Italy.

PREDICTIVE VALUE OF DFO INFUSION TEST IN THE DIAGNOSIS OF ALUMINIUM BONE DISEASE.

Cubero,J.J.; de FRANCISCO,A.L.M.; Palacios,S.; Sanz,T.; Caravaca,F.;
Sanchez Casado, E.; Perez Miranda,M.;
Hosp. Infanta Cristina Badajoz, Hosp. Univ. Valdecilla, Santander, Spain.

Friday, Sept. 7
10:30 - 12:00

Poster Foyer B and C

CLINICAL USE OF INTRAVENOUS CALCITRIOL IN 79 HAEMODIALYSIS (HD) PATIENTS: BENEFITS AND SIDE EFFECTS.

Italian group for the study of i.v. calcitriol (Intr. by D.Brancaccio).
Renal Unit, Osp. S.Paolo, Milano, Italy.

IRON OVERLOAD AND BONE DISEASE IN CHRONIC HEMODIALYSIS (CHD-) PATIENTS.

Van de Vyver,F.L.; Visser,W.J.*; D'Haese,P.C.; DE BROE,M.E.
Dept. Nephrol.-Hypert., Univ. of Antwerp, Belgium and *Clin. Res. Group
for Bone Metabolism, Univ. Hosp. Utrecht, NL.

STUDY OF THE BILIARY ELIMINATION OF DESFERRIOXAMINE (DFO) AND ITS CHELATED COMPOUNDS ALUMINOXAMINE (AL0) AND FERRIOXAMINE (FO) IN THE DOG.

D'HAESE,P.C.; Vaneerdeweg,W.; Lamberts,L.V.; Babloyan,A.;
Boudagjan,A.; Tjalma,W.; De Broe,M.E.
Dept. Nephrol.-Hypert., Univ. of Antwerpen, Belgium.

DESFERROXIAMINE (DFO) TREATMENT AND ERYTHROCYTE MEMBRANE PEROXIDATION.

MOLL,R.; Garcia,A.M.; Sosa,A.M.; Martin,J.; Villaro,J.; Bernat,A.;
Gimenez,M.; Perez,A. Hosp. General, Valencia, Spain.

OUTCOME OF THE VASCULAR ACCESSES FOR HEMODIALYSIS IN ELDERLY PATIENTS (ABOVE 75 YEARS).

POURCHEZ,T.; Moriniere,Ph.; St Priest,A.; Petit,J.; Fournier,A.
CHRU, Amiens, France.

HOMOLOGOUS VEIN GRAFTS AS ARTERIOVENOUS FISTULAS: A COMPARISON WITH CONVENTIONAL METHODS OF VASCULAR ACCESS.

GNANT,M.; Längle,F.; Watzinger,U.; Derfler,K.; Mühlbacher,F.
Vienna Transpl. Centre, Vienna, Austria.

LONG-TERM RESULTS OF POLYTETRAFLUOROETHYLENE (PTFE) GRAFTS IN HEMODIALYZED PATIENTS.

Clement,C.; Bernieh,B.*; Lavaud,S.*; Wong,T.*; Nicaise,H.;
CHANARD,J.*

Services de Chirurgie Vasculaire et de *Nephrol., Centre Hosp. et Univ.,
Reims, France.

Friday, Sept. 7

10:30 - 12:00

Poster Foyer B and C

**COLOR DOPPLER ULTRASOUND AS THE METHOD OF CHOICE
FOR NONINVASIVE ASSESSMENT OF ARTERIOVENOUS
FISTULA FUNCTION IN HEMODIALYSIS (HD) PATIENTS.**

NONNAST-DANIEL,B.; Lindert,O.; Frei,U.; Eisenbach,G.M.; v.d.Lieht,H.;
Tidow,G.; Daniel,W.G.; Koch,K.M.
Med. School Hannover, FRG.

**THROMBOLYSIS OF CLOTTED DIALYSIS CATHETERS WITH
RECOMBINANT TISSUE PLASMINOGEN ACTIVATOR (R-TPA).**

PAULSEN,D.; Hartmann,A.; Fauchald,P.
Dialysis dep, med B, National Hosp., Oslo, Norway.

**LONG TERM SUCCESS RATE OF SNUFF-BOX VASCULAR
ACCESS IN OUR CENTER.**

HABERAL,M.; Gülay,H.; Koc,M.; Sert,S.; Cakmakci,M.
T.Transp. and Burn Found.Hosp., Turkey.

Friday, Sept. 7
13:30 - 15:00

Poster Foyer B and C

POSTER SESSION 5

- **PROGRESSION OF RENAL FAILURE**
- **UREMIA**
- **CHRONIC RENAL FAILURE: IMMUNOLOGY AND METABOLISM**

Chairmen: M. Aparicio (France), A.J.M. Donker (Netherlands)

BLOOD PRESSURE (BP) REDUCTION RETARDS THE PROGRESSION OF CHRONIC RENAL FAILURE (CRF).

GUTIERREZ,A.; Alvestrand,A.; Bucht,H.; Bergström,J.
Dept. of Renal Med. Huddinge Hosp., Huddinge, Sweden.

A FIVE YEAR PROSPECTIVE FOLLOW-UP OF 50 WOMEN WITH NON-OBSTRUCTIVE REFLUX NEPHROPATHY (RN).

JACOBSON,S.H.; (Intr. by L.E.Lins).
Dept. Med. Div. Nephrol., Karolinska Hosp., Stockholm, Sweden.

THE EFFECT OF A REDUCED PROTEIN INTAKE ON THE TUBULAR FUNCTIONS IN CHRONIC RENAL FAILURE (CRF).

ANASTASIO,P.; Coppola,S.; Coscarella,G.; Policastro,M.; Santangelo,R.; Lombardi,A.; Siciliano,A.; Barba,G.; Capasso,G.; De Santo,N.G.
Univ. Federico II, Naples, Italy.

OUTCOME AND PROGNOSTIC FACTORS OF UREMIC NEUROPATHY IN PATIENTS WITH CHRONIC RENAL FAILURE (CRF) ON A LOW-PROTEIN DIET (LPD).

COMBE,C.; Arne,P.; de Precigout,V.; Aparicio,M.
Hopital Pellegrin-Tripode, Bordeaux, France.

ESSENTIAL AMINOACID (EAA) VS KETOANALOGUES (KA) IN ADVANCED CHRONIC RENAL FAILURE (CRF).

MARCELLI,D.; Tentori,F.; Marai,P.; Locatelli,F.
Nephrol. Div., Hosp. of Lecco, Italy.

HOW TO MEASURE GLOMERULAR FILTRATION AFTER A MEAT MEAL?

POSTHUMA,N.*; Bilo,H.J.G.**; Wetzels,J.F.M.**; Donker,A.J.M.*
Free Univ. Hosp., Amsterdam*, Univ. Hosp. Nijmegen**, NL.

Friday, Sept. 7

13:30 - 15:00

Poster Foyer B and C

CARBAMYLATED HAEMOGLOBIN - A TIME AVERAGED UREA DERIVED INDEX OF CHRONIC URAEMIA.

KWAN,J.T.C.*; Carr,E.C.**; Barron,J.L.**; Marsh,F.P.*; Bending,M.R.**

*Dept. of Nephrol., The London Hosp., London, UK. **Dept. of Clin.Chem. and Renal Unit, St Helier Hosp., Carshalton, Surrey, UK.

PSEUDOURIDINE ACCUMULATION IN RENAL INSUFFICIENCY (RI) PATIENTS.

DZURIK,R.; Lajdova,I.; Spustova,V.

Med. Bionics Res.Inst., Bratislava, Czechoslovakia.

ADAPTATION OF ORGANIC ANION TRANSPORT SYSTEM (OATS) IN RENAL FAILURE (RF).

SPUSTOVA,V.; Gajdos,M.; Opatrny,K.jr.*; Dzurikova,K.; Dzurik,R.

Med. Bionics Res. Inst., Bratislava and *Dept. of Int. Med., Charles Univ., Plzen, Czechoslovakia.

ALTERED Na⁺ AND Ca⁺⁺ TRANSPORT IN SYNAPTOSOMES OF UREMIC ANIMALS: IS IT ANY RELATIONSHIP WITH NEURO-TRANSMISSION IN UREMIA?

DI PAOLO,B.; Catucci,G.; Vocino,V.; Amoroso,L.; Cappelli,P.; Bonomini,M.; Albertazzi,A.

Inst. of Nephrol., Univ. of Chieti, Italy.

IS AN INCREASE OF DEOXYRIBONUCLEASES ACTIVITY IN UREMIC LYMPHOCYTES CAUSED BY THEIR AUGMENTED SYNTHESIS IN THESE CELLS?

ADAMIEC,R.; Szewczyk,Z.; Szopa,J.

Dept. of Nephrol., Med. Acad., Wroclaw, and Dept. of Genetic Biochem., Wroclaw Univ., Poland.

EFFECTS OF EXERCISE PROGRAMS IN PREDIALYTIC PATIENTS.

CLYNE,N./1; Ekholm,J./3; Jogestrand,T./2; Lins,L.E./1; Pehrsson,S.K./1; Rössner,S./4

Depts.Med./1,Clin.Physiol./2,Phys.Med.%Rehab./3,King Gustav Res.Inst/4, Karolinska Hosp., Stockholm, Sweden.

Friday, Sept. 7
13:30 - 15:00

Poster Foyer B and C

IMPAIRMENT OF THYROID-STIMULATING HORMONE SECRETION IN CHRONIC RENAL FAILURE.

PANICHI,V.; Palla,R.; Monzani,F.; Pacchiarotti,A.*; De Negri,F.; Antonangeli,L.*; Bartalena,L.*; Pinchera,A.*; Baschieri,L.
Ist. di Clinica Med. II e di Endocrinologia*, Pisa, Italy.

KETONE BODIES-INDUCED DISSOCIATION BETWEEN HEPATOCYTE GLUCONEOGENESIS AND UREA GENESIS IN ACUTELY UREMIC RATS.

RIEGEL,W.; Sonntag,R.; Schollmeyer,P.; Hörl,W.H.
Dept. of Med., Univ. of Freiburg, FRG.

INCREASED IL-2 RECEPTOR EXPRESSION IN PATIENTS ON LONG-TERM HEMODIALYSIS (HD) WITH SEVERE SECONDARY HYPERPARATHYROIDISM.

HAMPL,H.*; Dumann,H.**; Stabell,U.***; Köhler,H.**
Dept.Nephrol.,Free Univ. Berlin*.Univ. Mainz**.Nucl.Med.,Berlin***, FRG

TCR Vbeta T CELL REPERTOIRE GENERATION IN CHRONIC RENAL FAILURE: EXPANSION OF THE VB6 POOL AND DELETION OF THE VB8 POOL.

SUNDER-PLASSMANN,G.; Heinz,G.; Prichzy,B.; Wagner,L.; Balcke,P.
1st Dept. of Med., Univ. of Vienna, Vienna, Austria.

ACTIVATION OF T CELL SUBSETS IN UREMIA.

STACHOWSKI,J.; Petit,M.; Burrichter,H.*; Baldamus,C.A.
Dept.Nephrol. a. *Clin.Chem., Univ. Cologne, FRG.

THE OXYGEN FREE RADICAL INTERMEDIATES/SCAVENGER SYSTEM IN DIALYSIS PATIENTS.

BLUM,M.; Iscovici,E.; Ilan,Z.; Schneider,R.; Wolman,Y.; Peer,G.; Iaina,A.
Depts. of Nephrol.Barzilai Med. Ctr. and Rokah Hosp. Tel Aviv, 65211, Israel.

ABNORMAL RESPONSE OF DIALYSED PATIENTS TO AN ORAL CYSTEINE LOAD.

BRUNORI,G.; Sheth,K.; Iaidlaw,S.A.; Maiorca,R.*; Kopple,J.D.
Dept. of Med., Harbor-UCLA,Torrance CA, USA and *Inst. of Nephrol., Univ. of Brescia, Italy.

Friday, Sept. 7

13:30 - 15:00

Poster Foyer B and C

COLLAGEN DEFECT OF SKIN IN CHRONIC HAEMODIALYSIS PATIENTS.

Tzaphlidou,M.; SIAMOPOULOS,K.C.; Glaros,D.

Lab. of Med. Physics and Dept. of Int. Med., Div. of Nephrol., Med. School,
Univ. of Ioannina, Greece.

Friday, Sept. 7
15:30 - 17:00

Poster Foyer B and C

POSTER SESSION 6

- **CLINICAL NEPHROLOGY**
- **HEMODIALYSIS BIOCOMPATIBILITY**

Chairmen: R.S. Barsoum (Egypt), J. Bommer (FRG)

**TUBULAR DYSFUNCTION (TD) IN NEPHROTIC SYNDROME (NS).
INCIDENCE AND PROGNOSTIC IMPLICATIONS.**

PRAGA,M.; Andres,A.; Hernandez,E.; Montoyo,C.; Campos,C.;
Morales,J.M.Rodicio,J.L.
Hosp. 12 Octubre, Madrid, Spain.

**LONG TERM GOOD RESULTS WITH CYCLOSPORINE A (CsA)
IMMUNOSUPPRESSION (IS) IN SEVERE CORTICORESISTANT
NEPHROTIC SYNDROME (CRNS).**

CANTAROVICH,F.; Alberto,W.; Cantarovich,M.; Tizado,J.; Herman,P.;
Amaya,L.; Smulevici,I.; Castro,L.; (Intr. by J.Traeger)
Hosp. Militar-Nefrol., B.Aires, Argentina.

**RENAL FUNCTION AFTER TUMOR ENUCLEATION
IN A SOLITARY KIDNEY.**

LHOTTA,K.*; Eberle,H.**; König,P.*; Dittrich,P.*
*Dept. of Int.Med., Univ,Hosp. of Innsbruck, **Dept. of Urol., Univ. Hosp.
of Innsbruck.

**PREVALENCE OF HYPERTENSION, HAEMATURIA,
PROTEINURIA AND FLANK PAIN IN PATIENTS WITH SIMPLE
RENAL CYSTS (SRC).**

CAGLIOTI,A.*; Buzios,C.**; Postorino,M.***; Conte,G.*;
Rampino,T.****; Dal Canton,A.*.
Univ. of Catanzaro*; Univ. of Parmas**; CNR Center at Reggio
Calabria***,Univ. of Naples****, Italy.

**THE INFLUENCE OF DIFFERENT RANGES OF DIETARY SODIUM
CONTENT ON CHLORTHALIDONE-INDUCED HYPOKALAEMIA
IN NORMAL VOLUNTEERS.**

Haalboom,J.; de GRAEFF,A.; Struyvenberg,A.
Univ. Hosp., Utrecht, NL.

Friday, Sept. 7
15:30 - 17:00

Poster Foyer B and C

RENAL INVOLVEMENT AND HIV-INFECTION: EVIDENCE OF EARLY CHANGE IN TUBULAR HANDLING OF PEPTIDES AND MICROPROTEINS.

SCHERBERICH,J.E.; Staszewski,S.; Himmighofen,U.; Hohoff,A.; Schoeppe,W.
Univ. Hosp., Dept. Nephrol., Frankfurt/M, FRG.

ACUTE GOUTY ARTHRITIS (AGA) IN CHRONIC RENAL FAILURE (CRF): VALUE FOR DIAGNOSIS OF INCREASED LEAD BURDEN (ILB).

CLEDES,J.; Allain,P.; Guillodo,M.P.; Herve; J.P.
Univ. Hosp. Brest and Angers, France.

DIAGNOSTIC CRITERIA OF ANALGESIC NEPHROPATHY (AN).

ELSEVIERS,M.M.; Lornoy,W.(Alst); De Paepe,M.(Dendermonde); Roose,R.(St.Niklaas); Lins,R.(Antw.); Thomas,H.(Antw.); De Broe,M.E.
Collaborative Group on AN, Univ. of Antwerpen, Belgium.

CHANGING PATTERN IN THE AETIOLOGY OF RENAL AMYLOIDOSIS.

BOUSSEMA,E.; Colon,S.; Labeeuw,M.; Zech,P.
Dept. of Nephrol., Hop. E.Herriot, Lyon, France.

ABNORMAL RENAL SODIUM HANDLING IN IDIOPATHIC HYPERCALCIURIA (IH).

ORTEGA,R.; Vazquez,J.J.; Suarez,C.; Montero,A.; (Intr. by Selgas,R.)
Hosp. Gen. de Huelva and Hosp. "La Paz", Univ. Autonoma de Madrid, Spain.

INDICES OF BONE METABOLISM AND CALCIUM IN RENAL STONE FORMERS.

LINDSJÖ,M.; Danielson,B.G.; Fellström,B.; Ljunghall,S.
Dept. of Int. Med., Univ. Hosp. Uppsala, Sweden.

INCREASED "NaDEPENDENCY" OF RESTING INTRACELLULAR pH (pHi) AND DECREASED CYTOSOLIC FREE CALCIUM (iCa) IN RENAL STONE FORMERS WITH IDIOPATHIC HYPER-CALCIURIA (IH).

ROMBOLA,G.; Colussi,G.; Airaghi,C.; De Ferrari,M.E.; Minetti,L.
Renal Unit, E.O. Niguarda-Ca'Granda, Milan, Italy.

Friday, Sept. 7
15:30 - 17:00

Poster Foyer B and C

AMYLOIDOSIS (AA) IN ARMENIANS WITH FAMILIAL MEDITERRANEAN FEVER (FMF).

VAN DER MEULEN,J.; v.d.Reyden,H.J.; Winkler,L.
Med. Sans Frontieres (MSF), Amsterdam, NL.

INTESTINAL ALKALINE PHOSPHATASE (IAP) AS AN INDICATOR OF SPECIFIC CHANGES IN THE PROXIMAL TUBULAR CELLS.

NUYTS,G.D.; Verpooten,G.F.; Nouwen,E.J.; Hoylaerts,M.F.;
Elseviers,M.M.; De Broe,M.E
Dept. Nephrol.-Hypert., Univ. Antwerpen, Belgium.

IMMUNOFLUORESCENCE OF URINE SEDIMENT (IF-US) FOR IDENTIFYING PTS WITH RENAL DISEASE DUE TO MONOCLONAL GAMMOPATHIES (RD-MG).

FOGAZZI,G.B.*; Pozzi,C.*; Passerini,P.*; Simonini,P.**; Locatelli,F.**;
Ponticelli,C.*
Div. of Nephrol. of Osp. Policlin.Milano*, Osp. Prov. Lecco**, Italy.

DIFFERENT MECHANISMS OF HYPERCALCIURIA IN ESSENTIAL HYPERTENSION AND IN UROLITHIASIS.

ZOCCALI,C.; Curatola,G.; Mallamaci,F.; Cuzzola,F.; Postorino,M.;
Parlongo,S.; Salnitro,F.; Curatola,A.;
Div. of Nephrol. and CNR Centre of Clin. Physiol., OORR, Reggio Cal., Italy.

IOHEXOL CLEARANCE: AN ALTERNATIVE TO CLASSICAL INULIN CLEARANCE FOR GFR DETERMINATION IN CLINICAL PRACTICE.

BROWN,S.C.W.; O'Reilly,P.H.; (Intr. by Dr. El Nahas).
Dept. of Urol., Stepping Hill Hosp., Stockport, UK.

SMALL INTRAINDIVIDUAL VARIABILITY OF TUBULAR FUNCTION BY LITHIUM CLEARANCE (CL_{Li}) IN CHRONIC RENAL FAILURE (CRF).

COPPOLA,S.; Anastasio,P.; Coscarella,G.; Barba,G.; Santangelo,R.;
Capasso,G.; De Santo,N.G.
Univ. Federico II, Naples, Italy.

Friday, Sept. 7
15:30 - 17:00

Poster Foyer B and C

THE ACCURACY OF SINGLE INJECTION TECHNIQUES OF IOHEXOL CLEARANCE WITH PARTICULAR REFERENCE TO CLINICAL PRACTICE.

BROWN,S.C.W.; O'Reilly,P.H.; (Intr. by Dr. El Nahas).
Dept. of Urol., Stepping Hill Hosp., Stockport, UK.

ULTRASONOGRAPHY IN ACUTE OBSTRUCTIVE NEPHROPATHY: A CAUTIONARY NOTE.

INNOCENTI,M.; Mazzoni,A.; Setti,G.; (Intr. by Baldari,G.)
Nephrol. and Dial. Unit, Livorno, Italy.

X-RAY FLUORESCENCE ANALYSIS FOR GFR MEASUREMENT DURING ROUTINE UROGRAPHY.

BROWN,S.C.W.; O'Reilly,P.H.; (Intr. by Dr. El Nahas)
Dept. of Urol., Stepping Hill Hosp., Stockport, UK.

SUPPRESSION OF POLYMORPHONUCLEAR (PMN) GLYCOLYSIS IN RESPONSE TO 4 DIFFERENT STIMULI IN HEMODIALYSIS.

VANHOLDER,R.; Waterloos,M.; van Landschoot,N.; Ringoir,S.
Nephrol. Dept., Univ. Hosp., 9000 Ghent, Belgium.

VARIATIONS OF EOSINOPHIL CATIONIC PROTEIN IN SERUM DURING DIALYSIS.

BERGONZI,G.; Balloccchi,S.; Concesi,C.; Fontana,F.; Poisetti,P.G.;
Savi,E.*; Scarpioni,L.
Renal Unit, Immuno-Hematology Unit*, Ospedale Civile Piacenza, Italy.

PAF PRODUCTION AND PLATELET-LIPOXYGENASE STIMULATION DURING HEMODIALYSIS: NEW MARKERS OF BIOINCOMPATIBILITY?

CRISTOL,J.P.*; Canaud,B.*; Damon,M.**; Chavis,C.**; Guinot,Ph.***;
Arnoux,B.****; Crastes de Paulet,A.**; Mion,C.*;
*Dept. of Nephrol., Hop.Lapeyronie,**INSERM U58, Montpellier,
Henri Beaufour Inst., *INSERM U200 Paris, France.

SOLUBLE INTERLEUKIN-2 RECEPTOR (sIL-2R) ACCUMULATES IN RENAL INSUFFICIENCY.

STOCKENHUBER,F.*; Kurz,R.W.**; Apperl,A.*; Sertl,K.*; Balcke,P.
1st Med. Clin., Univ. of Vienna*, Ludwig-Boltzmann-Inst. of Nephrol.*,
1st Dept. of Med., KFJ, Vienna**, Austria.

Friday, Sept. 7
15:30 - 17:00

Poster Foyer B and C

LEUKOTRIENE B4 IN PATIENTS ON HEMODIALYSIS WITH CELLULOSIC MEMBRANES.

JÖRRES,A.; Richter,D.; Gahl,G.; Mahiout,A.
Nephrol., UKRV Charlottenburg, Berlin, FRG.

DECREASED MONOCYTE INGESTION AFTER 1,25-DIHYDROXY-VITAMIN D3 IN HEMODIALYSIS PATIENTS.

CALA,S.; Kordic,D.; (Intr. by D.Pavlovic).
"Josip Kajfes" Hosp., Zagreb, Yugoslavia.

PLATELET (Pt) ACTIVATION DURING HEMODIALYSIS (HD) MEASURED THROUGH EXPOSURE OF THE GMP 140 PROTEIN.

CASES,A.; Reverter,J.; Sanz,C.; Escolar,G.; Rotllan,E.; Ordinas,A.; Villamor,N.; Lopez,J.; Castillo,R.; Revert,L.
Hosp. Clinic, Barcelona, Catalonia, Spain.

MEMBRANE ATTACK COMPLEX (MAC) AS NOVEL RELIABLE MARKER OF BIOCOMPATIBILITY - COMPARISON WITH OTHER INDICES OF COMPLEMENT ACTIVATION.

HAUSER,A.C.; Derfler,K.; Stockenhuber,F.; Balcke,P.
1st Med. Clinic, Univ. of Vienna, Ludwig Boltzmann Inst. of Nephrol., Austria.

ACTIVATION OF THE CLASSICAL PATHWAY OF COMPLEMENT BY DIALYSIS MEMBRANES.

INNES,A.; Farrell,A.M.; Morgan,A.; Burden,R.P.; Powell,R.C.
Depts.Ren.Med.& Imm., City Hosp. & Univ.Hosp., Nottingham, U.K.

MESOTHELIAL AND ENDOTHELIAL CELL MARKERS OF ACTIVATION IN THE PERITONEAL MEMBRANE OF CAPD PATIENTS.

SUASSUNA,J.; Neves,F.; Glancey,G.; Cameron,J.S.; Ogg,C.; Hartley,B.
Renal Unit and Dept. of Histopathol., Guy's Hosp., UMDS, London, UK.

Friday, Sept. 7
17:15 - 18:15

Hall D

GENERAL ASSEMBLY

Saturday, Sept. 8

8:30 - 10:00

Hall B

FREE COMMUNICATIONS

MINERAL METABOLISM

Chairmen: A. Pierides (Cyprus), P. Zucchelli (Italy)

PARATHYROID GRAFT FUNCTION AFTER TOTAL PARATHYROIDECTOMY (PTx) IN PATIENTS ON CHRONIC DIALYSIS.

MEMMOS,D.; Belechri,A.; Visvardis,G.; Gakis,D.; Karamouzis,M.; Vyzantiadis,A.; Antoniadis,A.; Papadimitriou,M.

Dept.of Nephrol. and Transpl.Unit,Hippokr.Gen.Hosp.,Univ.of Thessaloniki,Greece

DIAGNOSIS OF HYPERPARATHYROIDISM AFTER TOTAL PARATHYROIDECTOMY WITH AUTOTRANSPLANTATION. GRAFT STUDIES.

DE FRANCISCO,A.L.M.; Amado,J.A.; Casanova,D.; Briz,E.;

Cotoruello,J.G.; Bonis,E.de;Arias, M.Hosp.Univ.Valdecilla,Santander,Spain

THE ULTRASOUND OF PARATHYROID GLANDS IN DIAGNOSIS OF RENAL OSTEODYSTROPHY.

Malegos,J.; SIAKOTOS,M.; Tsianas,N.; Antoniou,A.; Mourikis,D.; Nikolopoulou,N.; Metaxatos,G.; Billis,A.

Div. of Nephrol., "Evangelismos" Hosp. a. Ultrasound Lab, Univ. Athen,Greece

ALUMINIUM-INDUCED OSTEOMALACIC CHANGES AND ALTERATIONS IN PARATHYROID FUNCTION IN ASYMPTOMATIC DIALYSIS PATIENTS.

ALTMANN,P.; Revell,P.; Marsh,F.; O'ERiordan,J.; Cunningham,J.

Dept. of Nephrol., The London Hosp. and Dept. of Med., The Middlesex Hosp., UK.

CALCIUM ACETATE VERSUS CALCIUM CARBONATE AS PHOSPHATE BINDERS IN HEMODIALYSIS PATIENTS.

CARAVACA,F.; Santos,I.; Robles,R.; Cubero,J.; Esparrago,J.; Arrobas,M.; Pizarro,J.L.; Sanchez-Casado,E.

S. Nefrol., Hosp. Infanta Cristina, Badajoz, Spain.

COMPARISON OF BIOCHEMICAL AND MORPHOMETRIC BONE PARAMETERS IN CHRONIC HEMODIALYSIS PATIENTS.

KISS,D.; Kraenzlin,M.E.; Haas,H.G.; Olah,A.J.; Gyr,K.

Dialysestation, Dept.Med., Kantonsspital Liestal. Endocr.Pract.,Basel. Inst. Anat., Univ. Bern, Switzerland.

Saturday, Sept. 8

10:30 - 12:00

Hall B

FREE COMMUNICATIONS

GLOMERULONEPHRITIS IN SYSTEMIC DISEASES

Chairman: J.-P. Mery (France)

**CLINICAL IMPORTANCE OF ANTIPHOSPHOLIPID ANTIBODIES
IN LUPUS OR LUPUS-LIKE NEPHRITIS.**

FRAMPTON,G.; Hicks,J.A.; Cameron,J.S.

Renal Unit, Guy/Es Campus, UMDS, London, UK.

**ANTICARDIOLIPIN ANTIBODIES ASSOCIATED WITH
DEMENTIA, RENAL INSUFFICIENCY AND UNIQUE RENAL
IMMUNOPATHOLOGICAL LESIONS.**

A CLINICO-PATHOLOGICAL ENTITY.

Grave,W.*; VAN BREDA VRIESMAN,P.J.C.

Univ. of Limburg, Dept. Immun., Maastricht and *City Hosp.

Roermond,Dept. Int. Med., NL.

**HYDRALAZINE GLOMERULONEPHRITIS IS ASSOCIATED WITH
ANTIBODIES AGAINST MYELOPEROXIDASE (ANTI-MPO) AND
ELASTASE (ANTI-E).**

JOHANNSSON,A.C.; Nässberger,L.; Sjöholm,A.; Westberg,G.; Björck,S.

Dept. of Nephrol., Sahlgrenska Hosp., Univ. of Göteborg and Dept. of
Immunol., Univ. Hosp., Lund, Sweden.

SPECIFICITY OF ANCA IN VASCULITIC SYNDROMES.

SINICO,R.A.; (Intr. by G. D'Amico)

For the Italian Group of Renal Immunopathology, Milano, Italy.

**CYCLOPHOSPHAMIDE (CP) PULSE THERAPY IN WEGENER'S
GRANULOMATOSIS (WG).**

HAUBITZ,M.; Frei,U.; Rother,U.; Brunkhorst,R.; Koch,K.M.

Medizinische Hochschule Hannover, FRG.

**EVOLUTION OF 5 CASES OF MEMBRANOUS LUPUS NEPHRITIS
UNDER COMBINED TREATMENT OF CICLOSPORINE A AND
STEROIDS.**

LEMOINE,R.; Favre,H.; Miescher,P.A.; Mihatsch,M.J.; (Intr. by H.Favre).

Inst. of Pathol. and Dept. of Med., Geneva, Inst. of Pathol., Basle, Switzer-
land.

Saturday, Sept. 8

13:30 - 15:00

Hall B

**FREE COMMUNICATIONS
DIABETIC NEPHROPATHY**

Chairmen: S. Björck (Sweden), J. Zazgornik (Austria)

**GLOMERULAR CHARGE SELECTIVITY IN DIABETIC
NEPHROPATHY (DN).**

FOX, J.G.; Quin, J.D.; Paterson, K.R.; O'Reilly, D.Stj.; Boulton-Jones, J.M.
Royal Infirm., Glasgow, UK.

**HOW FREQUENT IS HYPERFILTRATION IN NEWLY
DIAGNOSED TYPE II DIABETES?**

NOWACK, R.; Raum, E.; Grunze, M.; Blum, W.; Ritz, E.
Depts. Int.Med. Heidelberg and Ped. Tübingen, FRG.

**LEUCOCYTE INTRACELLULAR pH AND Na/H ANTIporter IN
ENDSTAGE DIABETIC NEPHROPATHY.**

FIGUEIREDO, C.E.P.; Ng, L.L.; Garrido, M.C.; Davies, J.; Ellory, J.C.;
Hendry, B.M.
Lab. of Physiol., Dept. of Clin.Pharm., Sheikh Rashid Unit, Nuffield Dept. of
Clin. Med., Oxford, UK.

**SODIUM-LITHIUM COUNTERTRANSPORT IS NOT ELEVATED
IN ALL PATIENTS WITH END STAGE RENAL FAILURE
SECONDARY TO DIABETIC NEPHROPATHY.**

CARR, S.J.; Thomas, T.H.; Wilkinson, R.
Freeman Hosp., Newcastle upon Tyne, UK.

**LIPID AND APOLIPOPROTEIN PROFILE IN DIABETIC CHRONIC
RENAL FAILURE (CRF).**

ATTMAN, P.O.*; Nyberg, G.*; William-Olsson, T.*; Knight-Gibson, C.**;
Alaupovic, P.**
Dept. of Nephrol. and Med.I*, Univ. of Göteborg, Sweden, Oklahoma Med.
Res. Found.**, Oklahoma City, USA.

**ATRIAL NATRIURETIC FACTOR (ANF) AND RENAL HEMO-
DYNAMICS AFTER INHIBITION OF ANGIOTENSIN CONVER-
TING ENZYME IN NORMOTENSIVE AND HYPERTENSIVE
DIABETIC RATS.**

GEIGER, H.; Bahner, U.; Andreae, A.; Heidland, A.
Univ., Dept. of Med., Div. of Nephrol., Würzburg, FRG.

Saturday, Sept. 8
15:30 - 17:00

Hall B

FREE COMMUNICATIONS

HEMODIALYSIS, NUTRITION

Chairman: M. Schmiecker (GDR)

**ROLE OF MALNUTRITION ON THE PROGNOSIS OF
HEMODIALYSED (HD) PATIENTS (PTS).**

CHIAPPINI,M.G.; Bravi,M.; Bartoli,R.
Fatebenefratelli Hospital, Rome, Italy.

MALNUTRITION AND PCRn.

MANDOLFO,S.; Licata,C.; Fidelio,T.; Sancipriano,G.P.; Iacono,G.;
Ragni,R.
Renal Unit Cirie (To), Italy.

**INDIRECT CALORIMETRY IN EVALUATION OF ENERGY
EXPENDITURE IN UREMIC DIALYSIS PATIENTS.**

NORDIO,M.; Angoletta,F.; Lorenzi,S.; Marchini,P.; Saporiti,E.;
Martines,V.*; Venier,G.B.*; Cocco,G.**
Nephrol., Anesthesiol.* and Laboratory** Depts., Osped. Civile, Venice,
Italy.

**ESSENTIAL BRANCHED CHAIN AMINO ACIDS AND
a-KETOANALOGUES IN HEMODIALYSIS (HD) PATIENTS.**

RIEDEL,E.; Hampl,H.*; Nnndel,M.; Farshidfar,G.; (Intr. by H.Klinkmann)
FU Berlin, Dept. of Biochemistry, Nephrol.*

**ZINC DEFICIENCY IN HAEMODIALYSIS PATIENTS AND AN
ATTEMPT FOR TREATMENT.**

IONOVA,D.; Todorov,N.; Kiriakov,Z.; Tcatchev,K.; Butorin,N.
Med. Acad., Sofia, Bulgaria.

**EFFECTS OF DIFFERENT HD METHODS ON THE NUTRITIONAL
STATUS (NS) OF HD PTS.**

CHIAPPINI,M.G.; Moscatelli,M.; Bartoli,R.
Fatebenefratelli Hospital, Rome, Italy.

Saturday, Sept. 8
8:30 - 10:00

Hall C

FREE COMMUNICATIONS

HEMODIALYSIS: UREA KINETICS

Chairmen: A. Valek (Czechoslovakia), C.A. Baldamus (FRG)

UREA DISTRIBUTION VOLUME (UDV): FACT AND FANCY.

FIKLOCKI,C.; Probst,W.; Binswanger,U.

Selection of Nephrol., Dept. of Int. Med., Univ. Hosp. Znrch, Switzerland.

ADEQUACY OF UREA KINETIC MODEL (UKM) IN HIGH EFFICIENCY TREATMENTS (HET).

PIZZARELLI,F.; Nigrelli,S.; Cerrai,T.; Sisca,S.; Maggiore,Q.

Nephrol. Unit, SM Annunziata Hosp., Florence, Italy.

SINGLE-POOL UREA KINETIC MODEL:

EXPERIMENTAL AND GRAPHICAL ANALYSIS OF ITS LIMITS.

BOSTICARDO,G.M.; Alloatti,S.; Giachino,G.

Nephrol. Units, Iurea and Aosta, Italy.

UREA KINETIC ASSESSMENT USING ONLY ULTRAFILTRATE (UF) UREA CONCENTRATION (UC) IN A TWO-CHAMBER TECHNIQUE (PFD).

SPONGANO,M.; Santoro,A.; Ferrari,G.; Zucchelli,P.

Div. di Nefrol., Malpighi, Bologna, Italy.

THE VALUE OF UREMIC MARKERS FOR THE EVALUATION OF INTRA-DIALYTIC SOLUTE EXTRACTION.

DE SMET,R.; Vanholder,R.; Ringoir,S.

Nephrol.Dept., Univ.Hosp., Ghent, Belgium.

DIRECT CALCULATION OF KT/V.

COMPARATION WITH THE CONVENTIONAL METHOD.

GARCIA GARCIA,M.; Pocino,M.; Arrizabalaga,P.; Carrera,M.; Pons,J.M.; Revert,L.

Hosp. Clinic i Provincial, Univ. de Barcelona, Spain.

Saturday, Sept. 8
10:30 - 12:00

Hall C

FREE COMMUNICATIONS
HEMODIALYSIS: CLINICAL ISSUES

Chairman: J. Drinovec (Yugoslavia)

HOW ARE CAUSES OF CHRONIC UREMIA CHANGING?

COLOMBO,P.; Quarello,F.; Bonello,F.; Piccoli,G.B.; Pacitti,A.;
Beltrame,G.; Maffei,S.; Salomone,M.; Bruno,M.; Bergia,R.; Cardelli,R.;
Serra,A.; Peona,C.; Piccoli,G.
Nephro.-Urol. Inst. of the Univ. of Torino, Pied. dial. Cen., Torino, Italy.

**NEOPLASIA ON DIALYSIS: THE MEANING OF COMPETITIVE
CAUSES OF DEATH. AN UNI AND MULTIVARIATE ANALYSIS.**

PICCOLI,G.B.; Bonello,F.; Salomone,M.; Massara,C.; Beltrame,G.;
Maffei,S.; Segoloni,G.P.; Ragni,R.; Quarello,F.
Nephro-Urol. Inst. of the Univ.Torino,(Prof.A.Vercellone),Piedmont
Dial.Centers

**RENAL REPLACEMENT THERAPY (RRT) FOR MULTIPLE
MYELOMA AND AMYLOIDOSIS:
A SINGLE CENTRE EXPERIENCE.**

BROWN,H.; Maxwell,P.; Murphy,B.; McNamee,P.; Nelson,W.; Douglas,J.;
Doherty,C.
Regional Nephrol. Unir, Belfast City Hosp., UK.

UREMIC PRURITUS AND SKIN MAST CELLS.

DIMKOVIC,N.; Bojic,P.; Juloski,T.; Radmilovic,A.
Inst. for Renal Diseases and Inst. for Pathol., Zvezdara Clin. Hosp. Centre,
Belgrade, Yugoslavia.

**SECONDARY HYPERPORPHYRINAEMIA AND BULLOUS
DERMATOSIS (BD) IN PATIENTS WITH CHRONIC RENAL
FAILURE ON MAINTENANCE HEMODIALYSIS (CRF ON HD).**

VITKO,S.; Kordac,V.; Jirsa,M.; Merta,M.
Fac. of Med., Charles Univ., Prague, Czechoslovakia.

**PREVALENCE OF HELIOBACTER PYLORI (HP) IN PATIENTS
WITH END STAGE RENAL FAILURE (ESRF) AND RENAL
TRANSPLANT PATIENTS (Tx).**

DAVENPORT,A.; Shallcross,T.; Heatley,R.V.; Will,E.J.; Davison,A.M.
Depts. of Med. and Renal Med., St. James' Univ. Hosp., Leeds, UK.

Saturday, Sept. 8
13:30 - 15:00

Hall C

FREE COMMUNICATIONS

HYPERTENSION

Chairman: M. Papadimitriou (Greece)

METABOLIC AND PRESSOR EFFECTS OF SHORT-TERM CALCIUM LOAD.

ZOCCALI,C.; Mallamaci,F.; Cuzzola,F.; Parlongo,S.; Salnitro,F.;
Postorino,M.; Curatola,A.; Iellamo,D.
Div. of Nephrol. and CNR Centre of Clin. Physiol., Reggio Cal, Italy.

CORRELATION OF BLOOD PRESSURE IN END-STAGE RENAL DISEASE WITH PLATELET CYTOSOLIC FREE CALCIUM CONCENTRATION.

SCHIFFL,H.
Dept. of Int. Med., Section of Nephrol., Univ. of Munich, FRG.

CYTOSOLIC CALCIUM (Ca^{++}) IN RESPONSE TO CHANGES IN INTRACELLULAR pH (pHi) IN CULTURED VASCULAR SMOOTH MUSCLE CELLS (VSMC).

PECES,R.; LaPointe,M.S.; Battle,D.C.; (Intr. by J.Alvarez).
Hosp. Covadonga, Oviedo, Spain and Northwestern Univ., Chicago, IL.

THE RENAL EFFECTS OF CIRCULATING AND NEURONALLY RELEASED NOREPINEPHRINE IN MAN.

LANG,C.C.; Rahman,A.R.; Struthers,A.D.; (Intr. by Stewart,W.K.)
Dept. of Clin. Pharm., Ninewells Hosp. and Med. School, Dundee, UK.

RELATIONSHIP BETWEEN GH AND CELLULAR SODIUM TRANSPORT IN ACROMEGALY.

HERLITZ,H.; Bengtsson,B.A.; Jonsson,O.; (Intr. by M.Aurell).
Depts. of Nephrol., Urol. and Med., Univ. of Göteborg, Sweden.

DOWN-REGULATION OF LYMPHOCYTE beta2-ADRENOCEPTORS (beta2A) IN PATIENTS WITH PHEOCHROMOCYTOMA (PC).

CASES,A.; Bono,M.; Botey,A.; Poch,E.; Revert,L.; Rivera,F.; (Intr. by Lopez,J.)
Hosp. Clinic, Barcelona, Catalonia, Spain.

Saturday, Sept. 8
15:30 - 17:00

Hall C

FREE COMMUNICATIONS

CLINICAL EXPERIENCES IN RENAL TRANSPLANTATION

Chairmen: G. Tufveson (Norway), F. Mühlbacher (Austria)

**OUTCOME OF RENAL TRANSPLANTATION FROM LIVE
RELATED DONORS (LRD) AGED MORE THAN 60 YEARS.**

Kostakis,A.; Sotirchos,G.; STAMATIADIS,D.; Billis,A.; Siakotos,M.;
Patapis,P.; Nikolopoulos,T.; Vosnides,Gr.
Div. of Transpl. and Nephrol., Laiko Gen. Hosp., Athens, Greece.

AGED KIDNEY DONORS.

CAMPISTOL,J.M.; Oppenheimer,F.; Ponz,E.; Cabre,C.; Ricart,M.J.;
Vilardell,J.; Andreu,J.
Hosp.Clin., Barcelona, Spain.

**QUADRUPLICATION OF NUMBER OF ORGAN DONORS BY
INTRODUCTION OF A DECENTRALIZED ORGAN
PROCUREMENT SYSTEM.**

GNANT,M.; Steininger,R.; Mühlbacher,F.
Vienna Transpl. Centre, Wien, Austria.

**COMPARATIVE STUDY OF TWO RENAL BIOPSY PROCEDURES:
CLASSICAL VERSUS BIOPTY CUT.**

BUTUROVIC,J.; Malovrh,M.; Bren,A.; Demsar,M.; Visnjar-Perovic,A.;
Ferluga,D.; Rott,T.; Drinovec,J.
Univ. Med. Center, Ljubljana, Yugoslavia.

**FOLLOW-UP OF FOUR PATIENTS AFTER HIV-TRANSMISSION
BY KIDNEY TRANSPLANTATION IN 1984.**

SCHWARZ,A.*; Offermann,G.*; Keller,F.*; Bennhold,I.**; Krause,P.***;
Mihatsch,M.****
Depts. of Nephrol.,Klinikum Steglitz*, Moabit Hosp.**;Berlin,FRG, Depts.
of Pathol., Neukölln Hosp.,Berlin***, Basel Univ.****.

**STUDY OF ASYMPTOMATIC MICROSCOPIC HEMATURIA IN
POTENTIAL LIVING RELATED KIDNEY DONORS.**

SOBH,M.; Moustafa,F.; Alaa El-Din,M.; Tawfik,A.; Ghoneim,M.
Urol. & Nephrol. Center, Univ. of Mansoura, Egypt.

Saturday, Sept. 8

8:30 -10:00

Hall D

WORKSHOP 7

NUTRITION IN RENAL DISEASE

Chairman: J. Bergström (Sweden)

INTRODUCTION

J. Bergström, Sweden

**LOW PROTEIN DIETS IN NON-DIALYSED PATIENTS WITH
CHRONIC RENAL FAILURE. RISKS AND BENEFITS.**

J. Walls

NUTRITION AND GROWTH HORMONE IN UREMIC CHILDREN.

M. Broyer

MALNUTRITION IN HEMODIALYSIS PATIENTS.

J. Bergström

NUTRITIONAL PROBLEMS IN CAPD PATIENTS.

B. Lindholm

Saturday, Sept. 8
10:30 - 12:00

Hall D

WORKSHOP 6

PROGRESSION OF DIABETIC NEPHROPATHY

Chairman: D.J. Cordonnier (France)

**RENAL BIOPSY AS A TOOL FOR THE MEASUREMENT
OF EVOLUTION.**

R.W. Bilous

**WHAT CAN WE EXPECT FROM RENAL BIOPSIES IN
NON INSULIN DEPENDENT DIABETICS.**

H.E. Joergensen

**CLINICAL TOOLS OF MEASUREMENT OF GLOMERULAR
BASEMENT MEMBRANE PERMEABILITY IN DIABETES.**

U. di Mario

**HOW TO MEASURE THE EFFECTS OF DRUGS
ON PROGRESSION?**

THE CASE OF ACE INHIBITORS.

M. Aurell

Saturday, Sept. 8

13:30 - 15:00

Hall D

WORKSHOP 5

EQUITABLE GRAFT ALLOCATION

Chairman: H. Brynger (Sweden)

INTRODUCTION

H. Brynger, Sweden

MEDICAL CRITERIA.

U. Frei, FRG

THE ROLE OF ORGAN SHARING.

G. Persijn, the Netherlands

THE ROLE OF LIVE DONORS.

G. Alexandre, Belgium

Saturday, Sept. 8
15:30 - 17:00

Hall D

WORKSHOP 9

WORKSHOP ON RENAL DATA REGISTRIES

Chairman: N. Selwood (UK)

INTRODUCTION

N. Selwood

REPORTS

FROM COUNCIL EDTA/ERA AND
FROM PRESIDENTS OF NATIONAL SOCIETIES
ABOUT A FEDERATION OF REGISTRIES

**STATISTICAL PROJECTIONS AND PREDICTION MODELLING.
(DUTCH NATIONAL REGISTRY)**

F. de Charro

**PRE-ENDSTAGE-RENAL DATABASE.
(HUNGARIAN NATIONAL REGISTRY)**

I. Taraba

**CONDUCTING A REGISTRY AUDIT.
(CATALUNIAN REGIONAL REGISTRY)**

J. Montoliu

**INTERNATIONAL DATA COMMUNICATIONS
WITH RENAL UNITS**

G. Persejn

SUMMING UP

N. Selwood

Saturday, Sept. 8

8:30 - 10:00

Hall G/H

FREE COMMUNICATIONS
ERYTHROPOIETIN

Chairman: H. Graf (Austria)

**IMPROVED IMMUNOGLOBULIN PRODUCTION BY B-LYMPHO-
CYTES FROM UREMIC PATIENTS TREATED WITH rhEPO.**

SCHAEFER,R.M.; Paczek,L.; Heidland,A.

Univ.Würzburg, Dept.Med., Div.Nephrol., Würzburg, FRG.

**IS INTERLEUKIN 3 (IL-3) A CRITICAL HAEMATOPOIETIC
GROWTH FACTOR IN UREMIA?**

BIER,V.; Debatin,K.M.; Bosch,A.; Hoffmann,H.G.; Müller-Wiefel,D.E.;
Ludwig,R.; Schärer,K.

Univ.Childr.Hosp.,Univ. Heidelberg, FRG.

**TREATMENT WITH ERYTHROPOIETIN (EPO) INCREASES
ANTIBODY TITERS BUT NOT SEROCONVERSION AFTER
HEPATITIS B VACCINATION (HBV) IN DIALYSIS PATIENTS.**

SENNEAEL,J.; Vanderniepen,P.; Verbeelen,D.

Renal Unit, Akad.Ziekenhuis, Vrije Univ.Brussel, Brussels, Belgium.

**A COMPARISON OF RECOMBINANT HUMAN ERYTHROPOIETIN
(rHuEPO) AND DESFERRIOXAMINE (DFO) IN THE TREATMENT
OF IRON OVERLOAD IN HEMODIALYSIS (HD) PATIENTS.**

DE MARCHI,S.; Cecchin,E.; Tesio,F.

Dept. of Nephrol. and Dial., General Hosp., Pordenone, and Div. of Ped.,
Gen. Hospital, Udine, Italy.

**ERYTHROPOIETIN (EPO) THERAPY AND ALUMINIUM (AL)
METABOLISM IN HEMODIALYSIS PATIENTS.**

LOIBL,U.; Stockenhuber,F.*; Manker,W.; Meisinger,V.*; Meisl,F.

3rd Med.Dept., Wilhelminenspital, *1st Med.Univ.Clinic Vienna, Austria.

**DIFFERENCES OF BIOAVAILABILITY (BA) OF
rhERYTHROPOIETIN (rhEPO) DUE TO DIFFERENT GALENIC?**

STOCKENHUBER,F.; Loibl,U.*; Jahn,C.; Manker,W.*; Meisl,F.*;
Balcke,P.

1st Med. Clin. Univ. of Vienna, *3rd Med. Dept., Wilhelminenspital,
Vienna, Austria.

Saturday, Sept. 8
10:30 - 12:00

Hall G/H

FREE COMMUNICATIONS

PROGRESSION OF RENAL FAILURE

Chairmen: A.M. El Nahas (UK), P.T. Fröhling (GDR)

**EFFECT OF DIETARY PROTEIN (DP) INTAKE ON RENAL
HEMODYNAMICS (HD) IN PRIMARY GLOMERULOPATHIES.**

CASTELLINO,P.; Cirillo,D.; Casiere,D.; Pluvio,M.; Pluvio,C.; Ciacci,C.;
Giordano,C.

Ist di Med.Int. e Nefrol., Napoli, Italy.

**IMPROVEMENT OF THE NA-K PUMP LEUCOCYTE ACTIVITY
IN UREMIC PATIENTS ON LOW-PROTEIN DIET
SUPPLEMENTED WITH KETOANALOGUES (SD).**

APARICIO,M.; Vincendeau,Ph.; Caix,J.; Gin,H.; Bouchet,J-L.; Potaux,L.;
Bezian,J.-H.

Hopital Pellegrin-Tripode, Bordeaux, France.

**MESANGIAL TRAFFICKING FOLLOWING SUBTOTAL RENAL
ABLATION: EFFECTS OF DIETARY PROTEIN RESTRICTION
AND ENALAPRIL.**

ODUM,J.; Purkiss,J.; Naish,P.; (Intr. by G.I.Russell)

Keele Univ., Stoke-on-Trent, UK.

**THE ROLE OF GROWTH HORMONE IN THE PROGRESSION OF
EXPERIMENTAL CHRONIC RENAL FAILURE (CRF).**

EL NAHAS, A.M.; Le Carpentier, J.E.; Bassett, A.H.

Sheffield Kidney Inst., Sheffield, UK.

**EFFECT OF CAPTOPRIL ON RENAL HEMODYNAMIC
RESPONSE TO PROTEIN LOAD IN RENAL FAILURE.**

STEIN,G.; Hartung,R.; Ritz,E.; Seidel,A.; Schmid,M.

Depts. Intern.Med. Univ. Jena and Heidelberg.

**FAILURE OF DIETARY PROTEIN/PHOSPHATE RESTRICTION TO
SLOW THE PROGRESSION OF CHRONIC RENAL FAILURE
(CRF): A PROSPECTIVE RANDOMIZED CONTROLLED TRIAL.**

WILLIAMS,P.S.; Stevens,M.; Irons,L.; Fass,G.; Bone,J.M.

Royal Liverpool Hospital & Cleveland Hospital, UK.

Saturday, Sept. 8

13:30 - 15:00

Hall G/H

FREE COMMUNICATIONS
DIALYSATE BUFFERS

Chairmen: J. Botella (Spain), G. La Greca (Italy)

CHANGES IN VENTRICULAR FUNCTION CURVES DURING DIALYSIS: ROLE OF ACETATE AND BICARBONATE.

Jaraba,M.; Requena,M.J.; Castillo,D.; Guerrero,R.; Martin-Malo,A.; Burdiel,L.G.; Mallol,J.; Alvarez,M.A.; ALJAMA,P.
Hosp. Reina Sofia, Cordoba, Spain.

ACETATE OR BICARBONATE FOR HAEMODIALYSIS: A RANDOMISED, DOUBLE BLIND, CONTROLLED TRIAL.

OTTE,K.E.; Lillevang,S.T.; Rasmussen,A.G.; Christensen,H.K.; Pedersen,F.B.
Dept. of Nephrol. and the Pharm., Odense Univ. Hosp., Odense, DK.

INTRACELLULAR pH (pHi) VARIATIONS DURING HIGH-SURFACE ACETATE DIALYSIS TREATMENT (HAD).

ROMBOLA,G.; Colussi,G.; Guastoni,C.; Teatini,V.; Perego,A.; Perrino,L.; Benazzi,E.; Civati,G.; Minetti,L.
Renal Unit, E.O. Niguarda-Ca'Granda, Milan, Italy.

BIOCHEMICAL CORRELATIONS OF ACETATE ACCUMULATION DURING HAEMODIALYSIS.

ENIA,G.; Sicuso,C.; Finocchiaro,P.; Nigrelli,S.*; Lagana,C.; Zoccali,C.
Div. of Nephrol., Osp. Riuniti, Reggio Cal dans *Div. of Nephrol., Osp. dell'Annunziata,Firenze.

BIOINSTABILITY INDUCED BY THE DIALYSATE (D): ANOTHER MECHANISM TO EXPLAIN HEMODIALYSIS (HD) INDUCED HYPOXEMIA (HPX).

CASTILLO,D.; Guerrero,R.; Alvarez de Lara,M.A.; Escassi,A.; Martin-Malo,A.; Burdiel,L.G.; Aljama,P.
Hosp. Regional "Reina Sofia", Cordoba, Spain.

THE ACETATE METABOLISM IS NOT A DIRECT CAUSE OF HYPOXEMIA IN HEMODIALYSIS (HD).

HERRERO,J.A.; Tornero,F.; Torrente,J.; Macia,M.; Olivan,P.; Naranjo,P.; Ruiz,M.C.; Barrientos,A.; (Intr. by Prats,D.)
D. Nephrology, Hospital Clinico, Madrid, Spain.

Saturday, Sept. 8
15:30 - 17:00

Hall G/H

FREE COMMUNICATIONS

MINERAL METABOLISM

Chairmen: D. Brancaccio (Italy), J. Simoes (Portugal)

**DO CHANGES IN PHOSPHATE BALANCE MODULATE
1,25(OH)2D3 LEVELS?**

SEIDEL,A.; Stein,G.; Ritz,E.
Depts. Int. Med. Univ., Heidelberg and Jena.

**INHIBITION OF H3-CALCITRIOL METABOLISM IN RATS
INFUSED WITH FRACTIONS FROM UREMIC ULTRAFILTRATE.**

VANHOLDER,R.; Ringoir,S.; De Smet,R.; Hsu,C:*\br/>Nephrol.Dept.,Univ.Hosp., Ghent, Belgium. *Dept. Int. Med., Univ.Mich.,
Ann Arbor, USA.

**EFFECT OF PTH ON INTESTINAL 1,25(OH)2D3 RECEPTOR IN
RATS.**

SZABO,A.; Ritz,E.
Med.Univ.Klinik Heidelberg, FRG.

**ALUMINIUM UPTAKE BY THE MONONUCLEAR PHAGOCYTIC
SYSTEM.**

STRONGMAN,R.S.; Goode,N.P.; Shires,M.; Davison,A.M.
Renal Res. Unit, Dept. of Renal Med., St. James' Univ. Hosp., Leeds, UK:

RANITIDINE REDUCES CALCIUM-CARBONATE ABSORPTION.

ENIA,G.; Sicuso,C.; Parlongo,S.
Centro di Fisiol. Clin. del C.N.R., Reggio Calabria, Italy.

**PULSATILE SECRETION OF PARATHYROID HORMONE IN
PATIENTS WITH CHRONIC RENAL FAILURE (CRF).**

DE FRANCISCO,A.L.M.; Amado,J.A.; Cotorruelo,J.G.; Gonzales,M.; Sanz
de Castro,S.; Canga,E.; de Bonis,E.; Ruiz,J.C.; Arias,M.
Hosp. Univ. Valdecilla, Santander, Spain.

Saturday, Sept. 8
8:30 - 10:00

Hall I/K

FREE COMMUNICATIONS
CONTINUOUS AMBULATORY PERITONEAL DIALYSIS

Chairmen: R. Maiorca (Italy), P. König (Austria)

CAPD VERSUS BICARBONATE DIALYSIS: COMPARISON OF MORTALITY AND DROP-OUT. A NEW GOLDEN STANDARD?

SALOMONE,M.; Piccoli,G.B.; Bonello,F.; Pacitti,A.; Serra,A.; Massara,C.; Cavalli,P.L.; Giachino,G.; Triolo,G.; Segoloni,G.P.; Quarello,F.; Piccoli,G.
Nephro.-Urol. Inst., Univ. of Turin, Pied. Dial. Cen., Torino, Italy.

HOME HEMODIALYSIS AND CAPD: A COMPARISON IN AGE AND SEX-MATCHED NON-DIABETIC PATIENTS.

GRANT,A.C.; Rodger,R.S.C.; Howie,C.; Junor,B.J.R.; Briggs,J.D.; MacDougall,A.I.
Renal Units, Stobhill Gen.Hosp. and Western.Infirm., Glasgow, U.K.

REPORT OF APOLIPOPROTEINS (APO) AND ATHEROGENIC RISK IN HEMODIALYSIS (HD) AND CONTINUOUS AMBULATORY PERITONEAL DIALYSIS (CAPD) PATIENTS.

Burrell,D.; Tan,D.; Antignani,A.; Mittman,N.; Goldwasser,P.; AVRAM,M.M.
The Long Island College Hosp., Brooklyn,NY USA.

CAPD IN PATIENTS WITH DIABETIC NEPHROPATHY.

KEMPERMAN,F.A.W.; van Leusen,R.; van Liebergen,F.J.H.M.; Oosting,J.; Boeschoten,; E.W.; Struijk,D.G.; Krediet,R.T.; Arisz,L.; Acad. Med. Centre, Amsterdam, Rijnstate Hosp.-GZ
Arnhem,Grootziekgasthuis s'Hertogenbosch, NL.

INTELLECTUAL IMPAIRMENT AND SPEECH ABNORMALITIES IN CAPD PATIENTS.

ACKRILL,P.; Barron,J.H.; Caress,A.; McD.Gordon,A.; Day,J.P.; Evans,L.J.A.,Perks,J.
Withington Hosp., Manchester, UK.

TREATMENT OF PERITONITIS BY GRAMPOSITIVE (G+) ORGANISMS IN CAPD WITH CIPROFLOXACIN (Cp).

PEREZ FONTAN,M.; Moncalian,F.J.; Rosales,M.; Fernandez,F.; Rivera,C.F.; Arrojo,F.; Valdes,F.
Hosp. Juan Canalejo, A Coruna, Spain.

Saturday, Sept. 8
10:30 - 12:00

Hall I/K

FREE COMMUNICATIONS

CAPD: IMMUNOLOGY AND CELLULAR MECHANISMS

Chairman: E. Kemp (Denmark)

IMMUNOMODULATORS (IM) IN CONTINUOUS PERITONEAL DIALYSIS (CAPD).

MANKER,W.; Stockenhuber,F.*; Apperl,A.*; Loibl,U.; Meisl,F.; Balcke,P.*
3rd Med. Dept., Wilhelminenspital, *1st Med. Univ. Clin. Vienna, Austria.

DURING PERITONITIS, PERITONEAL MACROPHAGES FROM CAPD PATIENTS ARE PRIMED (IN VIVO) TO RELEASE MORE IL-1B AND TNF-a AFTER STIMULATION (IN VITRO) WITH LPS.

FIEREN,M.W.J.A.*; van den Bemd,G.J.C.M.*; Bonta,I.L.**
Depts. of Int. Med. I* & Pharmacol.**; Erasmus Univ. Rotterdam, NL.

BACTERIAL PERITONITIS STIMULATE beta-2-MICROGLOBULIN (b2M) PRODUCTION BY PERITONEAL MACROPHAGES (PMO) IN CAPD PTS.

CAROZZI,S.; Nasini,M.G.; Cantaluppi,A.*; Salit,M.*
Nephrol.Unit, St.Pauls Hosp.,Savona,Italy &*Baxter Lab.,Round Lake,USA

TUMOR NECROSIS FACTOR (TNFa) RELEASE FROM MONO-NUCLEAR LEUKOCYTES: EFFECT OF SOLUTIONS FOR PERITONEAL DIALYSIS.

JÄRRES,A.; Mahiout,A.*; Steenweg,L.; Richter,D.; Hain,H.; Müller,C.**;
Köttgen,E.**; Gahl,G.
Nephrol.and**Clin.Biochem.,UKRV Charlottenburg,Berlin,*Nephrol.,MH Hannover,FRG

Ca⁺⁺ AND 1,25(OH)₂D₃ REGULATE MICROBICIDAL ACTIVITY BY PERITONEAL MACROPHAGES (PMO) IN CAPD PATIENTS (CAPDpts).

CAROZZI,S.; Nasini,M.G.; Cantaluppi,A.*; Salit,M.*
Nephrol. Unit, St. Paul's Hosp., Savona, Italy, Baxter Labs., Round Lake, ILL*.

BICARBONATE VS. LACTATE BASED CAPD FLUIDS. CYTOTOXICITY TESTING IN A MODEL SYSTEM OF QUIESCENT FIBROBLASTS.

KRISTENSEN,S.R.; Petersen,F.B.
Dept.Clin.Chem. & Nephrol., Odense Univ.Hosp., Odense, Denmark

Saturday, Sept. 8
13:30 - 15:00

Hall I/K

**FREE COMMUNICATIONS
BIOCOMPATIBILITY**

Chairmen: W.H. Hörl (FRG), J. Chanard (France)

INDUCTION OF IL-1 β mRNA DURING HEMODIALYSIS IN VIVO
SCHINDLER,R.; Dinarello,C.A.*; Shaldon,S.**; Koch,K.M.
Med. School Hannover, FRG.*Tufts Univ., Boston,USA.**Univ.Hosp.
Nimes,France.

**SERUM AND INTRAMONOCYTE LEVELS OF TUMOR NECROSIS
FACTOR IN PATIENTS UNDER CHRONIC HAEMODIALYSIS (CH)**
ROCCATELLO,D.; Formica,M.; Cavalli,G.; Amprimo,M.C.; Aimo,G.;
Gianoglio,B.; Reyna,A.; Quattrocchio,G.; Martina,G.; Sena,L.M.;
Mazengo,M.; Marengo,M.; Coppo,R.; Piccoli,G.
Univ. Inst. of Nephrol. and Pathol., Turin, Italy.

**TUMOUR NECROSIS FACTOR (TNF) DOES NOT INCREASE
DURING CUPROPHAN HEMODIALYSIS (HD).**
DAVENPORT,A.; Crabtree,J.; Androjna,C.; Will,E.J.; Davison,A.M.
Dept.Med.Ren.Med., St. James Univ.Hosp., Leeds, U.K.

SERUM AMYLOID A (SAA) DURING HEMODIALYSIS.
HONKANEN,E.; Grönhagen-Riska,C.; Teppo,A.-M.; Maury,C.P.J.;
Hiltunen,U.
Fourth Dept. of Med., Helsinki Univ. Central Hosp., Helsinki, Finland.

**UPREGULATION OF THE EXPRESSION OF LEUKOCYTE
ADHESION MOLECULES (CD11,CD18) AND PHOSPHOTYROSINE
PHOSPHATASE LEUKOCYTE COMMON ANTIGEN (CD45) ON
NEUTROPHIL PLASMA MEMBRANE FROM PATIENTS UNDER-
GOING HEMODIALYSIS.**

ALVAREZ,V.; Paraiso,V.; Pulido,R.; Barril,G.; Bernis,C.; Traver,J.;
Canto,C.G. Rincon,B.; Sanchez,F. Hospital de la Princesa. Madrid, Spain.

**HEPARIN THERAPY REQUIRES A LARGE EXCESS OF
 α 1PROTEINASE INHIBITOR TO PREVENT PROTEOLYSIS OF
ANTITHROMBIN III BY NEUTROPHIL ELASTASE.**

FROMMHERZ,K.*; Hörl,W.H.*; Heimburger,N.**; Bieth,J.G.***;
(Intr. by P.Schollmeyer). *Med. Univ.Klinik,Freiburg,FRG,**Behringwerke
AG,Marburg,***INSERM U237,Strasbourg, France.

Saturday, Sept. 8

15:30 - 17:00

Hall I/K

FREE COMMUNICATIONS

**CELL ADHESION MOLECULES IN GLOMERULAR DISEASE,
NEPHROTIC SYNDROME**

Chairmen:

☛ **EXPRESSION OF INTERCELLULAR ADHESION MOLECULE-1
(ICAM-1) IN THE HUMAN KIDNEY.**

ANDERSEN,C.B.; Blaehr,H.; Ladefoged,S.; Hammer,M.; Rasmussen,K.C.;
Pedersen,E.

Depts. of Pathol. and Nephrol., Herlev and Rigshosp., DK.

**CELL ADHESION MOLECULES ON GLOMERULAR
PODOCYTES.**

FLEMING,S.; Langdale-Brown,B.; Biddlestone,L.R.

Dept. of Pathol., Univ. Med. School, Teviot Place, Edinburgh,UK.

**MESANGIAL EXPRESSION OF INTERCELLULAR ADHESION
MOLECULE-1 (ICAM) IN PRIMARY FOCAL SEGMENTAL
GLOMERULOSCLEROSIS (FSGS).**

DAL CANTON,A.; Fuiano,G.; Sepe, V.*; Caglioti,A.; Ferrone,S.**

Nephrol. Depts., Catanzaro and *Napoli (II Fac) and **Microbiol. Dept.,
Valhalla, New York, USA.

**RFLP DRbeta TYPING IN PATIENTS WITH IDIOPATHIC
NEPHROTIC SYNDROME (INS).**

MYTILINEOS,J.*; Konrad,M.**; Scherer,S.*; Bouissou,F.***;

Soergel,M.**; Ruder,H.**; Cambon-Thomsen,A.***; Schärer,K.**;

Opelz,G.*;

*Depts. of Trans.Immun.and **Ped., Univ.Heidelberg,FRG,***Centre
Hosp. Univ. Purpan,Toulouse, France.

**SERUM LEVELS OF SOLUBLE IL-2 RECEPTORS IN NEPHROTIC
PATIENTS.**

Mandreoli,M.; Beltrandi,E.; Pasquali,S.; Zucchelli,P.

Dept. of Nephrol., Malpighi Hosp. Bologna, Italy.

**LONG-TERM TOLERANCE OF CYCLOSPORINE A (CsA)
TREATMENT IN ADULT NEPHROSIS.**

MEYRIER,A.

Collaborative Group of the Societe de Nephrol., Hop. Avicenne, Bobigny,
France.

Saturday, Sept. 8
8:30 - 10:00

Poster Foyer B and C

POSTER SESSION 7

- **ACUTE RENAL FAILURE**
- **HYPERTENSION**
- **DIABETIC NEPHROPATHY**
- **ATRIAL NATRIURETIC FACTOR**

Chairmen: J. Bernheim (Israel), J. Mann (FRG)

LONG TERM EFFECT OF CISPLATIN (CP) ON RENAL FUNCTION IN MAN.

DERAY,G.; Jacquiaud,C.; Brillet,G.; Mignot,L.; Bunker,D.; Jaudon,C.; Baumelou,A.; Jacobs,C.
Hop Pitie and Foch, Paris, France.

RENAL EFFECTS OF CONTRAST MEDIA (CM) AFTER INTRAVENOUS (IV) AND RENAL ARTERIAL (RA) ADMINISTRATION.

KOUTSIKOS,D.*; Konstandinidou,I.*; Agroyannis,B.*; Rizos,D.**; Mourikis,D.***; Sarandakou,A.**; Phocas,I.**; Vlachos,L.***
Nephrol. Center*; Hormonol.Lab.** and X-Ray Dept.*** of Aretaieon Univ. Hosp., Athens-Hellas, Greece.

RENAL VASOACTIVE EFFECT OF WATER SOLUBLE CONTRAST MEDIA (WSCM).

El-Sayed,A.A.; Haylor,J.*; El Nahas,A.M.; MORCOS,S.+
Sheffield Kidney Inst., Depts.Med.&Pharmac.*,Radiodiagnosis+, Sheffield, U.K.

CARNITINE-PALMITOYL-TRANSFERASE DEFICIENCY: AN UNDERDIAGNOSED CONDITION ?

KATZIR,Z.; Hochman,B.; Biro,A.; Feigel,D.; Smetana,S.
Nephrol. Unit & Med. "D" Dept., E. Wolfson Med.Ctr., Holon, Israel.

ETIOLOGY AND PROGNOSIS OF IATROGENIC RENAL FAILURE ON THE BASIS OF A 6 YEAR EXPERIENCE.

MAKDASSI,R.; Andrejak,M.Westeel,P.F.; Schmit,J.L.; Renaud,H.; Houhou,S.; Fournier,A.
Nephrol., CHU Amiens, France.

Saturday, Sept. 8

8:30 - 10:00

Poster Foyer B and C

ACUTE RENAL AND RESPIRATORY FAILURE (ARRF) REQUIRES CAVHD AND VENTILATION TO REDUCE MORTALITY.

PATACA,I.; Severn,A.; Parsons,V.; Ware,R.; Rifkin,I.; Hillis,A.

Depts. of Nephrol. and Intens. Care, King's College Hosp., London, UK.

FUROSEMIDE, DOPAMINE AND DOPAMINE+ESSENTIAL AMINO ACID INFUSIONS IN OLIGURIC STATES OF ACUTE RENAL FAILURE (ARF).

Karakelleoglu,S.; SAN,A.

Dept. of Nephrol., Med. Fac., Atatrk Univ., Erzurum, Turkey.

MUSHROOM POISONING IN CHILDREN AND THE ROLE OF PLASMA EXCHANGE THERAPY.

PURETIC,Z.; Slavicek,J.; Smetisko,A.; Bubic-Filipi,Lj.; Glavas-Boras,S.;

Dujsin,M.; Kacic,M.

Pediatr. Dial.Unit,Dept. of Urol.,Univ.Hosp. Rebro, Zagreb, Yugoslavia.

INFLUENCE OF INTRAOPERATIVE INFUSION OF NIFEDIPINE ON RENAL FUNCTION OF PATIENTS SUBJECTED TO INTRARENAL AORTIC CLAMPING.

ANTONUCCI,F.; Bertolissi,M.; De Monte,A.; Giordano,F.; Messa,P.;

Travaglini,M.; Calo,L.*; Cantaro,S.*

Nefrol., III Chirurgica, II Anestesia O.C. Udine, *Nefrol.Univ. Padova, Italy.

MICROALBUMINURIA IN ESSENTIAL HYPERTENSION: EFFECT OF ACE INHIBITORS AND CALCIUM CHANNEL BLOCKERS TREATMENT.

BIANCHI,S.; Bigazzi,R.; Baldari,G.

Renal and Hypertension Unit,Livorno, Italy.

CAPTOPRIL (C) INCREASES EXERCISE-INDUCED RENAL VASCULAR RESISTANCE.

SVARSTAD,E.; Iversen,B.M., Ofstad,J.

Med. Dept. A, Univ. of Bergen, Norway.

PLASMA ERYTHROPOIETIN (EPO) IS ELEVATED IN RENIN DEPENDENT RENOVASCULAR HYPERTENSION.

JENSEN,G.*; Björck,S.*; Juul-Nielsen,O.**; Volkmann,R.*; Aurell,M.*

*Dept. of Nephrol. and Clin. Physiol.,Sahlgrenska Hosp., Univ.

Göteborg,Sweden,

**Dept. of Med., Righshosp., Copenhagen, DK.

Saturday, Sept. 8

8:30 - 10:00

Poster Foyer B and C

ALBUMINURIA IN PATIENTS WITH ESSENTIAL HYPERTENSION AND NORMAL RENAL FUNCTION.

BIESENBACH,G.; Grafinger,P.; Kaiser,W.; Stuby,U.; Stoelzl,K.; Zazgornik,J.

2nd Dept. of Int. Med., General Hosp. Linz, Austria.

DISTRIBUTION OF DIGOXIN-LIKE FACTOR (DLI) IN TISSUES AFTER IV ADMINISTRATION.

SHILO,L.; Pomeranz,A.; Rathaus,M.; Podjarny,D.; Bernheim,J.; Shenkman,L.

Meir Hospital, Kfar Saba, Israel.

SALT SENSITIVITY TESTING IN ESSENTIAL HYPERTENSION.

ZOCCALI,C.; Cuzzola,F.; Mallamaci,F.; Salnitro,F.

Div. of Nephrol. and CNR Centre of Clin. Physiol, Reggio Cal., Italy.

ETHNIC VARIATION IN RESPONSE TO PROTECTIVE EFFECT OF ENALAPRIL IN HUMAN DIABETIC NEPHROPATHY.

SUMETHKUL,V.; Gordge,M.P.; Cruickshank,K.; Neild,G.H.

Dept. of Renal Med., Inst. of Urol., UCMSM, London, UK

PROTEIN RESTRICTION ON THE PROGRESSION OF RENAL INSUFFICIENCY IN DIABETIC NEPHROPATHY.

GARCIA GARCIA,M.; Marti,I.; Esmatjes,E.; Ferrer,J.; Revert,L.

Hosp. Clinic i Provincial, Univ. de Barcelona, Spain.

ACE-INHIBITION (ACEI) VERSUS beta-BLOCKADE IN ANTIHYPERTENSIVE THERAPY OF DIABETIC (TYPE I) NEPHROPATHY.

GRÖNHAGEN-RISKA,C.; Honkanen,E.; Metsärinne,K.; Rosenlöf,K.

IVth Dept. of Med., Univ. of Helsinki, Finland.

URINARY PROTEIN EXCRETION (UPE) AND RENAL FUNCTION IN CHILDREN WITH DIABETES MELLITUS (IDDM).

WIDSTAM-ATTORPS,U.; Berg,U.

Depts. of Nephrol. and Pediatr., Karolinska Inst., Huddinge Univ. Hosp., Huddinge, Sweden.

Saturday, Sept. 8

8:30 - 10:00

Poster Foyer B and C

COMPARATIVE EFFECTS OF AMINO ACID INFUSION ON TUBULAR FUNCTION IN INSULINDEPENDENT DIABETICS AND CONTROLS.

HANNEDOUCHE,T.; Natov,S.; Marques,L.P.; Ikeni,A.; Schmitt,F.; Lacour,B.; Grnnfeld,
J.P.; Dept. of Nephrol., Hopital Necker, Paris, France.

PLASMA ATRIAL NATRIURETIC PEPTIDE (ANP) CONCENTRATION DEPENDS ON SODIUM INTAKE IN HYPERTENSIVE PATIENTS WITH CHRONIC RENAL FAILURE (CRF).
CZEKALSKI,S.; Widecka,K.; Dussaule,J.C.*; Michel,C.*; Ardaillou,R.*
Dept. of Endocrin. and Metabolic Diseases, Acad. of Med., Szczecin, Poland,

*U64 INSERM Hop. Tenon, Paris, France.

ATRIAL NATRIURETIC FACTOR AND ARTERIAL PRESSURE IN PATIENTS WITH AUTOSOMIC DOMINANT POLYCYSTIC KIDNEY DISEASE.

ANGELINI,D.; Carlini,A.; Giusti,R.; Fiorini,I.*; Antonelli,A.
Dept. of Nephrol., Dept. of Analysis*, Lucca, Italy.

RELATIONSHIP BETWEEN ATRIAL NATRIURETIC FACTOR, EXCHANGEABLE BODY SODIUM AND SERUM CALCIUM LEVEL IN HUMANS.

BARNA,I.; Toth,M.*; de Chatel,R.; Vossbein,M.A.; Lang,R.E.
1st Dept. of Med., Semmelweis Med.Univ., Budapest,Hungary and *German Inst. for High Blood Pressure Res., Heidelberg, FRG.

PLASMA CONCENTRATION OF ATRIAL NATRIURETIC PEPTIDE (ANP) AND FRACTIONAL URINARY SODIUM EXCRETION (FE-Na) IN PATIENTS WITH DIFFERENT IMPAIRMENT OF RENAL FUNCTION.

CZEKALSKI,S.; Widecka,K.; Gozdzik,J.
Dept. of Endocrin. and Metabolic Diseases, Acad. of Med., Szczecin, Poland.

A POTENTIAL ROLE FOR ATRIAL NATRIURETIC FACTOR (ANF) IN THE CONTROL OF BLOOD PRESSURE (BP) IN HEMODIALYZED (HD) PATIENTS.

VIRON,B.; Dussaule,J.C.; Wolf,J.P.; Ardaillou,R.; Mignon,F.
Hopital Tenon, Paris, France.

Saturday, Sept. 8
8:30 - 10:00

Poster Foyer B and C

**ROLE OF ATRIAL NATRIURETIC PEPTIDE (ANP) IN
REGULATION OF SODIUM BALANCE IN HYPERTHYROIDISM.**

Widecka,K.; CZEKALSKI,S.; Gozdzik,J.

Dept. of Endocrinol. and Metabolic Diseases, Acad. of Med., Szczecin,
Poland.

**ATRIAL NATRIURETIC FACTOR LEVELS FALL DURING
ISOLATED ULTRAFILTRATION BUT NOT DURING
ISOVOLAEMIC HEMODIALYSIS.**

BROWN,A.L.; Tattersall,J.E.; Mathias,M.T.; Cattell,W.R.; Raine,A.E.G.
St Bartholomew's Hosp., London, U.K.

**ATRIAL NATRIURETIC PEPTIDE (ANP) AND THE RENAL
EXCRETION OF SODIUM AND WATER IN PATIENTS WITH
HYPOTHYROIDISM.**

DE CHATEL,R.; Toth,M.*; Földes,J.; Barna,I.; Lang,R.E.

1st Dept. of Med., Semmelweis-Univ. Med. School, Budapest and *German
Inst. for High Blood Pressure Res., Heidelberg, FRG.

Saturday, Sept. 8
10:30 - 12:00

Poster Foyer B and C

POSTER SESSION 8

- INFECTION IN RENAL TRANSPLANTATION
- IMMUNOSUPPRESSION IN RENAL TRANSPLANTATION

Chairmen: L. Minetti (Italy), S. Alsina (Spain)

**KIDNEY TRANSPLANTATION (Tx) AND HCV INFECTION:
IS THERE AN INCREASED RISK?**

SEGOLONI,G.P.; Triolo,G.; Squicciarro,G.; Dall'Omo,A.; Bonino,F.;
Vercellone,A.

Nephrol., Gastroenterol. and Transplant Immunol. Molinette Hosp., Univ.
of Turin, Italy.

**OFLOXACIN IS AN EFFICIENT ANITBIOTIC TO TREAT
LEGIONELLOSIS IN RENAL TRANSPLANT RECIPIENT (RTR)
RECEIVING CYCLOSPORIN A (CyA).**

WYNCKEL,A.; Toupance,O.; David,C.; Lavaud,S.; Melin,J.P.; Wong,T.;
Chanard,J.

Centre Hosp. det Univ., Reims, France.

**EVOLUTION OF HEPATITIS C VIRUS (HCV) AND LIVER
DISEASE IN HEMODIALYZED PATIENTS AFTER RENAL
TRANSPLANT (RT).**

PONZ,E.; Campistol,J.M.; Barrera,J.M.; Gil,C.; Andreu,J.; Bruguera,M.
Hospital Clinic, Barcelona, Spain.

**HEPATITIS C VIRUS (HCV) ANTIBODIES IN RENAL
TRANSPLANT (RT) PATIENTS.**

Gomez,E.; AGUADO,S.; de Ona,M.; Martinez,A.; Cimadevilla,R.;
Sanchez,L.; Gago,E.; Alvarez-Grande,J.

Hosp. Covadonga, Oviedo, Spain.

**EARLIER DIAGNOSIS OF CYTOMEGALOVIRUS (CMV)
INFECTION BY HIBRIDISATION ASSAY (HA) IN RENAL
TRANSPLANT PATIENTS.**

Gomez,E.; AGUADO,S.; Melon,S.; de Ona,M.; Marin,R.; Martinez,A.;
Alvarez-Grande,J.

Hosp. Covadonga, Oviedo, Spain.

Saturday, Sept. 8
10:30 - 12:00

Poster Foyer B and C

ALUMINIUM (Al) ACCUMULATION INCREASES THE SUSCEPTIBILITY TO BACTERIAL SEPSIS FOLLOWING RENAL TRANSPLANTATION (Tx).

DAVENPORT,A.; Davison,A.M.; Newton,K.; Will,E.J.; Toothill,C.
Dept. of Renal Med., St. James's Univ. Hosp. Leeds, UK.

SHORT COURSE OF PROPHYLACTIC OKT3, CYCLOSPORINE (CyA) AND STEROIDS IN RENAL TRANSPLANTATION.

GRINO,J.M.; Castela,A.M.; Gonzalez,C.; Seron,D.; Gil-Vernet,S.;
Andres,E.; Diaz,C.; Bover,J.; Mestre,M.; Sabate,I.; Alsina,J.
Hosp. de Bellvitge, L'Hosp. de Llobregat, Barcelona, Spain.

SANDIMMUN METABOLITES: REASSESSMENT OF THE IMMUNOSUPPRESSIVE POTENTIAL OF NEWLY SYNTHESIZED METABOLITES IN VITRO.

RYFFEL,B.; Woerly,G.; Arnold,J.; Hoffmann,G.; Hiestand,P.; Wenger,R.;
Fahr,A.; Quesniaux,V.; Scott,R.
Sandoz Pharma Ltd., Basel, Switzerland.

IS SENSITIVITY TO CYCLOSPORIN INFLUENCED BY THE HLA PHENOTYPE OF THE RECIPIENT?

KUDLACEK,S.; Zlabinger,G.J.; Pohanka,E.; Franz,M.; Hamilton,G.;
Hajek-Rosenmayr,A.; Kovarik,J.;
Inst. of Immunol., 2nd Dept. of Med., 1st Dept. of Surg., Inst. of Blood Group
Serol., Univ. of Vienna, Austria.

POSSIBLE INTEREST TO GIVE CALCIUM BLOCKER BEFORE CYCLOSPORINE A (CYA) IN KIDNEY RECIPIENTS.

BOURBIGOT,B.; Legendre,J.M.; Islam,M.S.; Morin,J.F.; Morin,P.P.;
Clodes,J.
Univ. Hosp., Brest, France.

ANTI-REJECTION THERAPY IN RENAL TRANSPLANTATION: OKT3 OR METHYLPREDNISOLONE?

NICHOLSON,M.L.; Donnelly,P.K.; Veitch,P.S.; Bell,P.R.F.
Renal Transplant Unit, Leicester, UK.

Saturday, Sept. 8
10:30 - 12:00

Poster Foyer B and C

**REFLEX SYMPATHETIC DYSTROPHY INDUCED BY
CYCLOSPORINE A IN RENAL TRANSPLANT (RT) PATIENTS.**

CAMPISTOL,J.M.; Gratacos,J.; Collado,A.; Ponz,E.; Lomena,F.; Munoz-Gomez,J.; Andreu,J.

Hosp. Clinic, Barcelona, Spain.

**THE PATHOLOGY OF CHRONIC CYCLOSPORIN (CSA)
NEPHROTOXICITY IN RATS.**

GOULDESBROUGH,D.R.*; Hutchinson,S.**; Lee,M.**; (Intr. by Thomson,D.)

Depts. of Pathol.* and Clin. Pharm.** , Univ. of Edinburgh, UK.

**A RANDOMIZED TRIAL WITH OMEGA-3 FATTY ACID-FISH OIL
(FO) IN RENAL TRANSPLANTS: RESULTS AT 3 MONTHS.**

BERTHOUX,F.; Guerin,C.; Berthoux,P.; Alamartine,E.

Serv. de Nephrol., CHU St Etienne, France.

**RENAL HANDLING OF URATE AND THE INCIDENCE OF GOUT
DURING CYCLOSPORINE-A AND DIURETIC USE.**

NOORDZIJ,T.C.; Leunissen,K.M.L.; van Hooff,J.P.

Univ. Hosp. Maastricht, NL.

**MORPHOLOGIC & IMMUNOCYTOLOGICAL ANALYSIS Cs A
TOXICITY BY TRANSPLANT ASPIRATION CYTOLOGY IN
KIDNEY ALLOGRAFTS.**

GONZALEZ-POSADA,J.M.; Castro,G.; Torres,A.; Getino,M.A.; Salido,E.

S Nefrol., H.Univ., Tenerife, Spain.

Saturday, Sept. 8
13:30 - 15:00

Poster Foyer B and C

POSTER SESSION 9

- **IgA GLOMERULONEPHRITIS**
- **EXPERIMENTAL GLOMERULONEPHRITIS**
- **GLOMERULONEPHRITIS**

Chairman: G. Stein (GDR)

EVIDENCE OF A SHIFT FROM IgG TO IgA PRODUCTION IN IgA NEPHROPATHY (IgAN).

LAYWARD,L.; Allen,A.C.; Finnemore,A.M.; Harper,S.J.; Feehally,J.
Dept. of Nephrol., Leicester General Hospital, Leicester, UK.

HLA-DP REGION GENE POLYMORPHISM IN PRIMARY IgA NEPHROPATHY (IgAN).

MOORE,R.; Medcraft,J.; Sinico,R.*; Mustonen,J.**; Venning,M.;
Richards,N.; D'Amico,G.*; Hitman,G.
The London Hosp.,London,UK, San Carlo
Hosp.*,Milan,Italy, Univ.Hosp.**Tampere,SF.

EXPERIMENTAL IgA NEPHROPATHY RELATED TO CHRONIC ALCOHOL INTOXICATION IN RATS.

Amore,A.*; Emancipator,S.N.; Lamm,M.E.*; Roccatello,D.; Piccoli,G.;
COPPO,R.
Nephrol. Dept., Univ. Turin, Italy, *Pathol. Dept., CWRU,Cleveland, Ohio.

ARTERIAL HYPERTENSION IN PATIENTS WITH IgA NEPHROPATHY IS CORRELATED WITH FAMILIAL ARTERIAL HYPERTENSION.

AUTULY,V.; Simon,P.; Ang,K.S.; Cam,G.; Ramee,M.P.
Dept. of Nephrol., La Beauchee Hosp., St. Brieuc, Dept. of Pathol., CHU
Rennes, France.

HUMAN MULTIMERIC IgA (IgA) AND THE ACTIVATED THIRD COMPONENT OF COMPLEMENT (C3b) AFFECT PROSTAGLANDINS SYNTHESIS IN HUMAN MESANGIAL CELLS (HMC) SEPARATELY AND INTERACTIVELY.

Di Cillo,M.*; GESUALDO,L.*; Montinaro,V.**; Rifai,A.**; Schena,F.P.;
Emancipator,
S.N.; *Inst. of Pathol., Case Western Reserve Univ.,Cleveland,OH-USA,
**Dept. of Pathol., Rhode Island Hosp.,Providence,RI-USA,Chair of
Nephrol.Univ.Bari,Italy.

Saturday, Sept. 8
13:30 - 15:00

Poster Foyer B and C

EFFECT OF PREGNANCY (P) IN ADRIAMYCIN (A) INDUCED RENAL DISEASE IN RATS (ADR).

Podjarny,E.; Bernheim,J.; Tovbin,D.; Pomeranz,A.; Rathaus,M.;
BERNHEIM,J.
Depts.of Nephrol. and Pathol., Meir Hospital, Sackler School of
Medicine,Tel Aviv.

EXPERIMENTAL NEPHROSIS IN RATS.

EVIDENCE SUGGESTING A ROLE FOR PAF AND TNF IN THE INDUCTION OF PROTEINURIA.

Gomez-Chiarri,M.; EGIDO,J.; Lerma,J.; Gonzales,E.; Ortiz,A.; Robles,A.;
Mampaso,F.*; Hernando,L.
Fund.Jimenez Diaz, Hosp. Ramon y Cajal*, Madrid, Spain.

DYNAMIC INTERCHANGE OF ANTIGEN (Ag) AND ANTIBODY WITHIN GLOMERULAR IMMUNE DEPOSITS (ID) IN CHRONIC SERUM SICKNESS (CSS) ISOLATE ERYTHROCYTE PERFUSED RAT KIDNEY (IEPK).

FORNASIERI,A.; Moullier,P.*; Wilson,C.B.*
Dept. of Nephrol., S.Carlo Hosp.,Milano,Italy and Res.Inst. Scripps Clin., La
Jolla, California, USA.

EFFECT OF RHEUMATOID FACTOR (RF) ON DISAPPEARANCE RATE (DR) OF GLOMERULAR BOUND ANTIGEN (Ag) IN CHRONIC SERUM SICKNESS (CSS) RATS.

FORNASIERI,A.; Moullier,P.*; Wilson,C.B.*
Dept. of Nephrol.,S.Carlo Hosp.Milano, Italy and Res.Inst.Scripps Clin, La
Jolla, Ca., USA.

GLOMERULI IN ACTIVE HEYMAN NEPHRITIS (HN) IN RATS SYNTHESIZE NITRITE (NO₂).

CATTELL,V.; Wang,H.; Cook,T.
St. Mary's Hospital Medical School, London, UK.

IMPACT OF LOAD AND DURATION OF PARASITIC INFECTION ON SCHISTOSOMAL NEPHROPATHY, EXPERIMENTAL STUDY ON GOLDEN HAMSTER.

SOBH,M.; Moustafa,F.; Ramsy,R.; Sad,M.; Deelder,A.; Ghoneim,A.
Urol. & Nephrol. Center, Univ. of Mansoura, Egypt.

Saturday, Sept. 8
13:30 - 15:00

Poster Foyer B and C

MODULATION OF MESANGIAL CELL ACTIVITY BY THE LECTINIC BINDING OF GLIADIN.

AMORE,A.*; Emancipator,S.N.**; Coppo,R.***; Roccatello,D.*;
Gianoglio,B.*; Piccoli,G.*

*Nephrol. Dept.,Univ. of Turin, **Pathol. Dept., Case Western Res. Univ.,
Cleveland,OH, ***Nephrol., Regina Margherita Hospital, Turin, Italy.

IMPAIRED HEPATIC SULPHOXIDATION IN IDIOPATHIC MEMBRANOUS NEPHROPATHY.

FOX,J.G.; Boulton-Jones,J.M.; Madhok,R.; Waring,R.
Royal Infirmary,Glasgow and Univ. of Birmingham, UK.

DOES THE IN-VITRO STEROID SENSITIVITY OF LYMPHOCYTES FROM PATIENTS WITH MEMBRANOUS NEPHROPATHY PREDICT THE CLINICAL RESPONSE TO THERAPY ?

MANDREOLI,M.; Beltrandi,E.; Zucchelli,A.; Zucchelli,P.
Dept.Nephrol., Malpighi Hosp., Bologna, Italy.

RENAL EXPRESSION OF ICAM-1 IN GLOMERULONEPHRITIS.

LHOTTA,K.; König,P.; Neumayr,H.; Geissler,D.; Dittrich,P.
Dept. of Int. Med., Univ. Hosp. of Innsbruck, Austria.

EXPRESSION OF INTERCELLULAR ADHESION MOLECULE-1 (ICAM) IN NECROTIZING GLOMERULONEPHRITIS (NGN).

FUIANO,G.; Sepe,V.; Ferrone,S.*; Stanziale,P.; Balletta,M.; Comi,N.; Dal
Canton,A.
Depts. of Nephrol.,Napoli (II Fac) and Catanzaro and of Microbiol., Valhalla,
New York, USA.

TOPO-OPTICAL AND HISTOCHEMICAL INVESTIGATIONS OF ERYTHROCYTES (ERY.) IN PATIENTS WITH GLOMERULONEPHRITIS (GN).

FÜNFSTÜCK,R.; Stein,G.; Kühn,B; Kühn,R.; Halbhuber,K.J.; Schulz,W.
Klinik f. Innere Med. u. Anatomisches Inst., Univ. Jena, III.Med. Klinik,
Klinikum Bamberg, FRG.

THE GLOMERULAR DISTRIBUTION OF LAMININ AND FIBRONECTIN IN GLOMERULONEPHRITIS.

NAKOPOULOU,L.; Zolota,V.; Papadakis,J.; Kapranos,N.; Stefanidis,C.J.;
Zeis,P.M.
Dept. Pathol., Med. School, Univ. Athens, Greece.

Saturday, Sept. 8
13:30 - 15:00

Poster Foyer B and C

**ASYMPTOMATIC AUTOIMMUNE THYROIDITIS (AAT) AND
THYROID DYSFUNCTION IN ALPORT'S SYNDROME (AlpS).**

CECCHIN,E.; De Marchi,S.; Tesio,F.

Dept. of Nephrol. and Dialysis, Gen.Hosp., Pordenone and Div. of Pediatrics, General Hosp., Udine, Italy.

**TUBULAR EXPRESSION OF INTERCELLULAR ADHESION
MOLECULE 1 IN DIFFERENT TYPES OF
GLOMERULONEPHRITIS.**

MARKOVIC-LIPKOVSKI,J.; Müller,C.A.; Risler,T.; Müller,G.A.

Med. Univ. Clin., Tübingen, FRG.

**URINARY IL-6: A MARKER FOR PROLIFERATIVE MESANGIAL
GLOMERULONEPHRITIS?**

RICHARDS,N.T.; Gordon,C.; Richardson,K.; Adu,D.; Emery,P.

Depts. of Rheumatol. and Renal Med., Queen Elizabeth Hosp., Edgbaston, Birmingham B15, UK.

**SODIUM AND WATER RETENTION IN SEVERE NEPHROTIC
SYNDROME (NS): HYPOVOLEMIA VERSUS INTRA-RENAL
MECHANISM.**

GALAN; A.; Perez Garcia,R.; Loopez Gomez,J.M.; Jofre,R.; Albarracin,C.; Valderrabano,F.

Hosp. Gen. "Gregorio Maranon", Madrid, Spain.

**CIRCADIAN RHYTHMS IN GLOMERULAR FILTRATION RATE
(GFR) AND EFFECTIVE RENAL PLASMA FLOW (ERPF) IN
PATIENTS WITH NEPHROTIC SYNDROME.**

KOOPMAN,M.G.; Koomen,G.C.M.; van Acke,B.A.C.; Arisz,L.

Academic Med. Centre, Amsterdam, NL.



OFFICIAL SATELLITE SYMPOSIA

SUNDAY, September 9th, 1990

**BIOCOMPATIBILITY OF DIALYSIS SYSTEM:
PRESENT AND FUTURE**

Chairman: H. KLINKMANN; Rostock

Venue: Vienna Hofburg
(Austria)

ORGANIZING SECRETARIAT

Dr. R. MENTA

Hoechst Italia

Via Traiano 18

I-20 149 Milano/Italy

Tel.: 0039-2-31076342

Fax: 0039-2-34507113

MONDAY, September 10th, 1990 — TUESDAY, September 11th, 1990

**IInd INTERNATIONAL CONFERENCE ON CONTINUOUS
HEMOFILTRATION**

Chairmen: H. G. SIEBERTH, H. MANN (Aachen)
H. K. STUMMVOLL (Linz)

Venue: Baden near Vienna (Austria)
Municipal Theater

ORGANIZING SECRETARIAT

H. MANN, Schurzelterstraße 564

D-5100 Aachen, FRG

Tel.: (FRG) 241-872820

Fax: (FRG) 241-872578



SUPPORTING COMPANIES (as per May 31, 1990)

BAXTER
BELLCO
BOEHRINGER MANNHEIM
CILAG

GAMBRO
FRESENIUS
ORGANON TEKNIKA
SANDOZ

LIST OF EXHIBITORS (in alphabetical order, as per May 31, 1990)

ACCURATE SURGICAL
INSTRUMENTS CORP.
Toronto, Ontario/CDN

AKZO / ENKA AG
Wuppertal/D

ALTHIN MEDICAL AB
Lund/S

ASAHI MEDICAL GmbH
Frankfurt a. Main/D

ASID BONZ U. SOHN GmbH
Böblingen/D

BAXTER EXTRAMURAL
GRANT PROGRAMM
Deerfield, IL/USA

BAXTER RENAL DIV.

BELLCO SPA
Mirandola (Modena)/I

BIEFFE — MEDITAL SA
Lugano/CH

BIONIC GmbH & Co. KG
Friedrichsdorf/D

BIOTEST PHARMAZEUTIKA GmbH
Wien/A

BOEHRINGER MANNHEIM GmbH
Mannheim/D

C. BRADY
Wien/A

C. D. MEDICAL / Dow Europe SA
Zürich/CH

CILAG AG RESEARCH
Bassersdorf/CH
COBE INTERNATIONAL Ltd.
Zaventem/B

COMEF SRL
Carpi (Modena)/I

CREATIVE AGE PUBLICATION
Van Nuys/CA., USA

CULLIGAN
Bruxelles/B

DIALYSE TECHNIK GmbH
Ettlingen/D

DWA/MTW
Ubstadt-Weiher/D

DUSTRI-VERLAG
München-Deiserhofe/D

ELECTROPUR
Clichy, F

EXCORIM
Lund/S

FISONS PLC
Loughborough, Leicestershire/GB

FRESENIUS AG
Oberursel/D

GAMBRO AB
Lund/S

W. L. GORE + Co GmbH
Salzburg/A

GRACE ITALIANA SPA (Amicon)
Passirana di Rho (Mi)/I

LIST OF EXHIBITORS (in alphabetical order, as per May 31, 1990)

HISPADIAL
Martorell (Barcelona)/E

HOSPAL
Basel/CH

IDEMSA
Szgoria, E

INDUSTRIE HOSPITALIERE
Casablanca, Marocco

INSTITUT MERIEUX
Wien/A

INTERC. MED. SERVICES
Honolulu, Hawai/USA

KABI
Stockholm/S

KIMAL
Uxbridge Middlesex/GB

KURARAY
Homburg-Saar/D

LABORATOIRE AQUETTANT
Lyon/F

LABORATOIRE HEMOPHA
Marseille/F

LIKAMED — RUDOLF LIPP GmbH
Eppingen/D

MEDCOMP
Harleysville, PA/USA

MEDIGROUP
North Aurora, ILL./USA

METEKA MEDIZINALBEDARF
Judenburg/A

NATIONAL MEDICAL CARE
Dublin, Ireland

NIKKISO
Tokio/J

NISSHO
Osaka/J

ORGANON TEKNIKA
Turnhunt/B

PORTEX
Hythe, Kent/GB

PROVALID AB
Lund/S

QUINTON INSTRUMENTS
Seattle, WA/U.S.A.

RENAL SYSTEMS
Buckinghamshire/GB

RIGGERS
Bremervörde/D

S.M.A.D.
L'Arbresle/F

SANDOZ
Basel/CH

SCHIWA
Glandorf/D

SIS-TER SISTEMI TERAPEUTICI
Cremona/I

SORIN SRL
Saluggia VC/I

TERUMO
Zaventem/B

VMP — SCHULTZ-LAUTERBACH
Iserlohn/D

**A BREAKTHROUGH
IN BIOTECHNOLOGY
FOR ANAEMIA OF
CHRONIC RENAL FAILURE**



LIST OF EXHIBITORS (in alphabetical order, as per May 31, 1990)

HISPADIAL

Martorell (Barcelona)/E

HOSPAL

Basel/CH

IDEMSA

Szgoria, E

INDUSTRIE HOSPITALIERE

Casablanca, Marocco

INSTITUT MERIEUX

Wien/A

INTERC. MED. SERVICES

Honolulu, Hawai/USA

KABI

Stockholm/S

KIMAL

Uxbridge Middlesex/GB

KURARAY

Homburg-Saar/D

LABORATOIRE AQUETTANT

Lyon/F

LABORATOIRE HEMOPHA

Marseille/F

LIKAMED — RUDOLF LIPP GmbH

Eppingen/D

MEDCOMP

Harleysville, PA/USA

MEDIGROUP

North Aurora, ILL./USA

METEKA MEDIZINALBEDARF

Judenburg/A

NATIONAL MEDICAL CARE

Dublin, Ireland

NIKKISO

Tokio/J

NISSHO

Osaka/J

ORGANON TEKNIKA

Turnhunt/B

PORTEX

Hythe, Kent/GB

PROVALID AB

Lund/S

QUINTON INSTRUMENTS

Seattle, WA/U.S.A.

RENAL SYSTEMS

Buckinghamshire/GB

RIGGERS

Bremervörde/D

S.M.A.D.

L'Arbresle/F

SANDOZ

Basel/CH

SCHIWA

Glandorf/D

SIS-TER SISTEMI TERAPEUTICI

Cremona/I

SORIN SRL

Saluggia VC/I

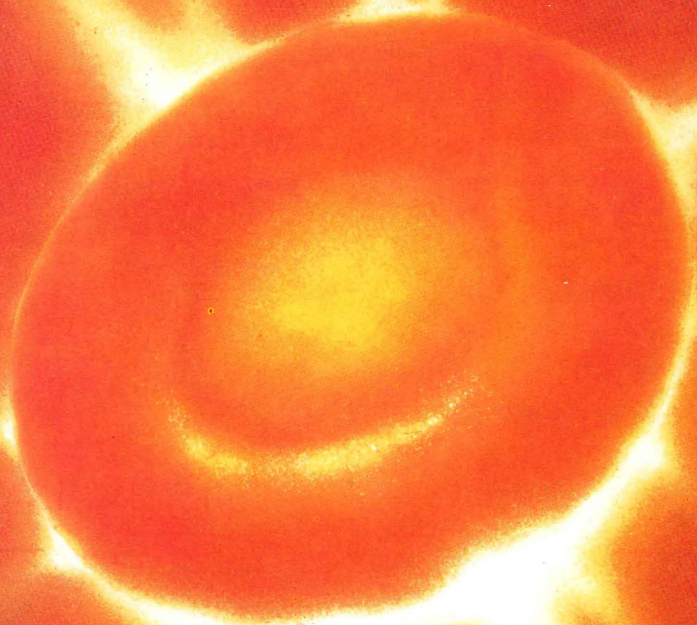
TERUMO

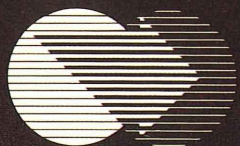
Zaventem/B

VMP — SCHULTZ-LAUTERBACH

Iserlohn/D

**A BREAKTHROUGH
IN BIOTECHNOLOGY
FOR ANAEMIA OF
CHRONIC RENAL FAILURE**





EPREX®

r-HuEPO

Recombinant Human Erythropoietin

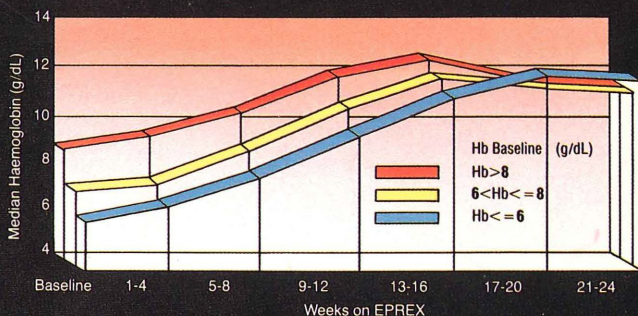
HELPS CORRECT ANAEMIA AT ITS SOURCE

Stimulates red blood cell production

EPREX is indistinguishable from endogenous human erythropoietin in biological activity and immunological reactivity, based on studies to date. In the absence of sufficient endogenous hormone, EPREX restores the necessary stimulus to red blood cell production.¹

Significantly increases haemoglobin in anaemic patients

ANAEMIA CORRECTION OVER 24 WEEKS OF EPREX THERAPY DEMONSTRATED IN THREE PATIENT GROUPS ALL STARTING AT DIFFERENT BASELINES¹ EPREX DOSAGE WAS REDUCED AFTER PATIENT HAEMOGLOBIN EXCEEDED 10 g/dL.



Generally well tolerated: side effects primarily related to increased haemoglobin

Rapid increase in haemoglobin may lead to hypertension and thrombosis of vascular access sites in some patients. A minority of patients may experience bone pain and chills (7.6%) or skin reactions (2.2%).¹

Improved quality of life reported by anaemic patients

Most patients report improvement in one or more indicators of quality of life, including exercise tolerance, appetite, and general well-being.¹⁻³

FIRST FROM **Cilag**

Further information is available on request from Cilag AG Research, 8302-Kloten, Switzerland.

References: 1. Data on file, Cilag International Research Center. 2. Winearls CG, Oliver DO, Pippard MJ, et al: Effect of human erythropoietin derived from recombinant DNA on the anaemia of patients maintained by chronic haemodialysis. *Lancet* 1986;ii:1175-1178. 3. Casati S, Passerini P, Campise MR, et al: Benefits and risks of protracted treatment with human recombinant erythropoietin in patients having haemodialysis. *Br Med J* 1987;295:1017-1020.

