CONTENTS

Foreword v
Preface vii

Part I – STATISTICAL REPORTS

Combined report on regular dialysis and transplantation in Europe, XV, 1984 3
F P Brunner, M Broyer, H Brynger, S Challah, W Fassbinder, R Oulès, G Rizzoni, N H Selwood, A J Wing

Combined report on regular dialysis and transplantation of children in Europe, XIV, 1984 55
M Broyer, G Rizzoni, F P Brunner, H Brynger, S Challah, W Fassbinder, R Oulès, N H Selwood, A J Wing

Part II – DIALYSIS I

The effect of calcium carbonate administration of nitrogen metabolism in patients on haemodialysis 83
N J Papadoyannakis, C J Stefanidis, A Patricarea, K Kotsovasilis, A Georgiopoulou

Evaluation of vascular calcinosis risk factors in patients on chronic haemodialysis. Lack of influence of the dose of calcium carbonate 88
H Renaud, A Atik, S Benelmoufok, M Herve, P Moriniere, Cl Galy, H Dkhissi, A Fournier

Effect of CaCO3 supplements on serum oxalate in patients on regular haemodialysis treatment 93
M Gonella, G Vagelli, S Lupetti, G Calabrese, G Pratesti

Factors influencing the hypermagnesaemia of chronic haemodialysis 97
N Aebischer, P Aebischer, G Fellay, J P Wauters

Microcytic anaemia: a marker for the diagnosis of aluminium toxicity 101
R D Swartz, Janet Dombrowski, Maria Burnatowska-Hledin, G H Mayor

The effect of extracorporeal haemodialysis on energy turnover 106
H Lange, E Krautwald, G Krautwald, H Ebel
Effects of uraemia and dialysis treatment on adrenoceptor responsiveness
G Fuiano, A Dal Canton, M Maj, A Testa, M G Ariano, G Conte, L Guarriello, B Memoli, G Pacchiano, V E Andreucci

Branched chain amino acid metabolism in chronic renal failure and haemodialysis
M Schreiber, S Kalhan, A McCullough, S Savin

Part III — DIALYSIS II

Effects of long-term treatment with L-carnitine on the lipid pattern of patients undergoing haemodialysis
G M Vacha, G Giorcelli, S D’Iddio, M Corsi

Improvement of post-dialysis glucose intolerance by dialysate carnitine supplementation
G Panzetta, N Tessitore, E Valvo, A Lupo, C Loschiavo, L Oldrizzi, L Gammaro, Z Bellotti, A Fabris, G Maschio

Degenerative osteo-articular lesions and amyloid infiltration in long-term haemodialysis patients
J Zingraff, T Bardin, D Kuntz, M C Voisin, J P Juquet, T Drüeke

Capsular synovial and bone amyloidosis: complications of long-term haemodialysis
J M Vandenbroucke, J P Huaux, Th Guillaume, H Noël, B Maldague, C van Ypersele de Strihou

Peripheral blood mononuclear cell membrane lipid peroxidation in haemodialysis patients
M Taccone-Gallucci, O Giardini, M Valeri, R Lubrano, D Bandino, A Migliardi, A Piazza, V Mazzarella, G C Spagnoli, C U Casciani

Psychiatric morbidity and psychosocial adjustment after ten years of dialysis
C M Le Feuvre, E A Brown, P E Gower, R Rosser

High dose vitamin C administration is harmful in patients on regular dialysis therapy
P Balcke, J Zazgornik, P Schmidt, H Kopsa, A Haubenstock

Part IV — GUEST LECTURE

Convective mass transport in dialysis
K M Koch, S Shaldon, C A Baldamus, M J Lysaght, G Lonnemann, M Bingel, C A Dinarello
Part V — GUEST LECTURE

Biocompatibility issues in haemodialysis
R A Hakim

Part VI — WORKSHOP

Reuse of dialysers and blood lines
P Ivanovich

Part VII — BIOCOMPATIBILITY

Hypersensitivity reactions during haemodialysis in France
M Foret, F Kuentz, T Hachache, M Christollet, R Milongo, H Meftahi,
E Dechelette, D J Cordonnier

Cutaneous hypersensitivity reactions to dialyser extract and ethylene oxide in haemodialysis patients
C Ciancioni, C Naret, A Picot, J L Poignet, S Delons, N K Man

Interleukin-1 in hypersensitivity reactions during haemodialysis
F Giacchino, M Pozzato, S Landolfo, F Quarello, A Garetto,
C Gangemi, G Giraudo, G Piccoli

Haemodialysis-induced acute changes in T lymphocyte subsets
M Dratwa, F Collart, Francoise Mascart-Lemone, Lise de Vetter,
C Tielemans, R Wens, J Duchateau

Leucocyte elastase — a new marker of biocompatibility in haemodialysis
R M Schaefer, A Heidland, W H Hörl

Polymorphonuclear leucocyte chemiluminescence as an index of membrane biocompatibility
L Lucchi, M A Acerbi, G Cappelli, M Leonardi, E Lusvarghi

Plasma granulocyte elastase during haemodialysis: effects of different dialyser membranes and sterilization procedures
W H Hörl, H B Steinhauer, W Riegel, P Schollmeyer

Inhibition of anaphylatoxin release by cooling the blood within the dialyser
Q Maggiore, G Enia, C Catalano, V Misefari, A Mundo, G Greazzo,
F Zaccuri

Part VIII — WORKSHOP

Biocompatibility
H Klinkmann
Part IX – GUEST LECTURE

Haemodialysis hypotension: the interleukin hypothesis restated 229
S Shaldon, G Deschodt, B Branger, C Granolleras, C A Baldamus,
K M Koch, M J Lysaght, C A Dinarello

Part X – DIALYSIS COMPLICATIONS

Effect of iron overload on superoxide anion production by granulocytes in haemodialysis patients 247
J Flament, M Goldman, Y Waterlot, E Dupont, J Wybran,
J L Vanherweghem

Platelet cyclo-oxygenase in haemodialysis patients: what suppresses its activity? 250
H Tanaka, K Umimoto, N Izumi, T Maekawa, T Kishimoto, M Maekawa

Relationship between oral biotin supplementation and anaemia and dry skin in regular haemodialysis patients 255
K Ono, Y Hisasue, S Doi

Acute alpha- and beta-adrenoceptor regulation is impaired in hypotensive patients on maintenance dialysis 259
A Daul, N O'Hara, X L Wang, O-E Brodde

Simple test combination to localize lesions of the autonomic pathway in hypotensive haemodialysis patients 266
W J Brech, P Piazolo, H R Buerkle

Hyperchromiaemia in chronic dialysis patients 270
I Henderson, A Leung, D Halls, G Fell, J Dobbie, A C Kennedy

Trace elements binding to plasma proteins in haemodialysis 276
M C M Mateo, A R Martin, J B Bustamante

Yersinia enterocolitica bacteraemia in haemodialysis 283
J R Boelaert, Y J Valcke, D H Vandebroucke, W F Lornoy,
Y Waterlot, H W Van Landuyt, J M Vandepitte

Incidence and outcome of malignancy in patients on a dialysis programme 286
E Rambau, J Roma, E Marcuello, J Aubía, J Lloveras, J Masramón,
J Torrents, E Rius

Part XI – DIALYSIS – TECHNICAL

Percutaneous transluminal angioplasty for stenosis of arteriovenous fistulas in haemodialysed patients 291
G Stamatakis, F Cornud, A Kanfer, F Haddoum, V Delmas, A Sibert,
J Ph Méry
Assessment of arteriovenous fistulas from pressure and recirculation studies: clinical experience in 215 upper limb fistulas
R N Greenwood, C Aldridge, L Goldstein, L R I Baker, W R Cattell

Long-term experience with hypertonic haemodiafiltration
C Basile, A DiMaggio, A Scatizzi

Small and middle molecule removal in hypertonic haemodiafiltration
C Basile, A DiMaggio, A Scatizzi

Haemodialysis: only six hours once a week
E Rotellar, M E Martinez, A Plans, A Ferragut

Acute changes in plasma free fatty-acid concentrations during haemodialysis comparing heparin with epoprostenol as anticoagulant
S J Davies, S M Hobson, G A Young, J H Turney

Local experience of regional anticoagulation with sodium citrate for haemodialysis in patients at risk of bleeding
F Collart, C Tielemans, R Wens, M Dratwa

Preliminary evaluation of repeated use of a low molecular weight heparin in haemodialysis for chronic renal failure
E G Anastassiades, D A Lane, A Flynn, J R Curtis

The usefulness of the multi-enzyme inhibitor, nafamstat mesilate, in high bleeding risk haemodialysis
T Akizawa, M Sato, T Kitaoka, S Koshikawa, Y Asano, Y Hirasawa, K Iida, N Mimura, K Nakamura, M Kazama, K Ota

Part XII — WORKSHOP

Single needle dialysis
N A Hoenich

Part XIII — ALUMINIUM

Aluminium concentrations in plasma, bone and hair in patients on long-term haemodialysis
B Winterberg, H P Bertram, S Remmers, J Remmers, A E Lison, H Losse, H Zunkley

Spinal fluid aluminium in haemodialysed uraemic patients
D Brancaccio, O Bugiani, L Pacini, A Berlin, J Bisceglia, M Gallieni, M Surian, S Costantini, R Giordano, M Rizzica

Link between HLA-B40 and dialysis encephalopathy
P Garrett, Susan Spencer, D Mulcahy, P Hanly, J A O'Hare, D J Murnaghan, J S Hanson, J F Donohoe, M Carmody, W F O'Dwyer
Renal osteodystrophy in chronic haemofiltration and haemodialysis: a comparative histological study at comparable mild aluminium overload induced by Al(OH)₃, P Fohrer, J F de Fremont, Ph Moriniere, C Galy, P Leflon, G Lambrey, B Boudailliez, H Renaud, A Atik, J L Sebert, A Fournier

Aluminium containing oral phosphorus binders and the aluminium content of bone, H Raidt, M Vischedyck, H Kellinghaus, D Steinhausen, U Graefe

Impaired transport of the iron-transferrin complex and microcytic anaemia in haemodialysis patients with aluminium intoxication, P Simon, K S Ang, G Cam

Is unresponsiveness of aluminium-induced osteomalacia due to cellular 1,25(OH)₂D₃ resistance? J Merke, F Hellbing, E Ritz

Comparison of aluminium removal on an AN69–S membrane and a charcoal filter, R M Valentijn, P Batavier, I M Schicht


Part XIV — CONTINUOUS AMBULATORY PERITONEAL DIALYSIS

Prophylaxis against Staphylococcus aureus peritonitis in continuous ambulatory peritoneal dialysis, A Scatizzi, P Strippoli

The high morbidity of fungal peritonitis in continuous ambulatory peritoneal dialysis, W G J Smith, D Tsakiris, J D Briggs, B J R Junor

Risk factors for peritonitis and technique failure in CAPD: increased age and dialysate IgG protect against peritonitis, D N Bennett-Jones, A Eaton, J S Cameron, C S Ogg, D G Williams

Permeability of the peritoneum to proteins in continuous ambulatory peritoneal dialysis patients with systemic disease, R T Krediet, E W Boeschoten, F M J Zuyderhoudt, L Arisz

Trace element abnormalities in continuous ambulatory peritoneal dialysis, A Leung, I Henderson, D Halls, G Fell, A C Kennedy

The advantage of glucose polymer as an osmotic agent in continuous peritoneal dialysis, C D Mistry, N P Mallick, R Gokal
Use of amino acid containing solutions in continuous ambulatory peritoneal dialysis patients after peritonitis: results of a prospective controlled trial
H Schilling, G Wu, J Pettit, A Mitwalli, H G Anderson, R Ogilvie, D G Oreopoulos

Clinical experience with short peritoneal catheters
S Chiaramonte, M Feriani, S Biasioli, L Bragantini, A Brendolan, R Dell'Aquila, A Fabris, C Ronco, G La Greca

Complications post renal transplantation in children on continuous ambulatory peritoneal dialysis/continuous cycling peritoneal dialysis: a comparison to haemodialysis
H E Leichter, R B Ettinger, I B Salusky, T von Lilien, S C Jordan, T Hall, J Marik, R N Fine

Part XV — GUEST LECTURE

Pregnancy in women with renal disease and renal transplantation
J M Davison, A I Katz, M D Lindheimer

Part XVI — GUEST LECTURE

Renal haemodynamics and salt balance in pregnancy
A Dal Canton, V E Andreucci

Part XVII — PREGNANCY

The effect of pregnancy on the natural history of primary glomerulonephritis
P Barcelo, J L Lopez-Lillo, J A Ballarín, G del Rio

The effect of pregnancy on amyloid nephropathy in familial mediterranean fever
S Cabili, O Rabinovitch, D Zemer, A Aviram, M Pras

IgA nephropathy and pregnancy
P Jungers, D Forget, D Droz, L H Noel, M Henry-Amar

The outcome of pregnancy in patients with lupus nephritis
J S Cameron, J Hicks, G Frampton, D G Williams, C S Ogg

Exaggerated natriuresis in chronic hypertension in pregnancy
G Conte, A Dal Canton, M Terrible, G Fuiano, C Esposito, V Andreucci

Abnormal renal function in hypertensive pregnant women: reversal by left lateral decubitus
M Labeeuw, N Pozet, A Hadj Aissa, M Vincent, P Zech
Improvement of renal function during pregnancy in patients with a cadaveric renal allograft
A M Tegzess, S Meijer, G H A Visser, W J van Son, F J van der Woude, W J Sluiter

Pregnancy after renal transplantation: are graft and fetus risks predictable?
Y Pirson, M Van Lierde, J Ghysen, J P Squifflet, G P J Alexandre, C van Ypsersele de Strihou

Part XVIII – WORKSHOP

The kidney and pregnancy
M Beaufils

Part XIX – GUEST LECTURE

Kidney and pancreas transplantation in man: the current position
P McMaster, W A Jurewicz, B K Gunson, L Angrisani, R M Kirby

Part XX – CYCLOSPORIN A IN TRANSPLANTATION

Nephrotoxicity and pharmacokinetics of Cyclosporin A in renal transplant recipients
F C Henny, C H Kleinbloesem, A J Moolenaar, L C Paul, D D Breimer, L A van Es

Cyclosporin A nephrotoxicity: comparison of biopsy histological findings in renal transplant patients treated with Cyclosporin A or azathioprine
S Kabalan, F E Dische, G H Neild, M Bewick, V Parsons

Are Cyclosporin A deposits in renal allografts of clinical significance?
F Scaini, R Tardanico, M Favret, F Scolari, S Savoldi, G C Cancarini, E Prati, S Sandrini, G Brunori, L Cristinelli

Renal function and blood pressure in heart transplant recipients treated with Cyclosporin A
J Rottembourg, M F Mattei, A Cabrol, P Leger, B Aupetit, H Beaufils, J C Gluckman, A Pavie, I Gandjbakhch, C Cabrol

Inhibition of renal gluconeogenesis by Cyclosporin A in rats
W Beck, K Scharer, R Waldherr, F Trefz, H Schmidt-Gayk

Cyclosporin A and urine glutathione-S-transferase
D A Feinfeld, A Benvenistry, V D’Agati, M A Hardy
Factor VIII-related antigen levels in renal allograft recipients taking Cyclosporin A
Z Brown, G H Neild, J J Willoughby, N V Somia, J S Cameron

Cyclosporin A or azathioprine combined with prednisone in renal allograft transplantation with conversion from Cyclosporin A to azathioprine at four months
C P Ramos

Part XXI – WORKSHOP

Cyclosporin A in clinical practice
G Thiel

Part XXII – GUEST LECTURE

Immunological factors influencing renal allograft survival
G Opelz

Part XXIII – CLINICAL TRANSPLANTATION I

$^{99m}$Tc Sn colloid scans in the diagnosis of renal graft rejection
F X Sundram, R P S Edmondson, E S Ang

Magnetic resonance imaging in renal transplants

Identification of a hitherto undescribed Leu-7/Leu-3 lymphocyte subset in long-term renal allograft transplant recipients
Ch M Legendre, R D Guttmann

Human retroplacental gamma globulin: past experience and proposed use with low dose Cyclosporin A in cadaveric kidney transplantation
R R Riggio, R Haschemeyer, J Cheigh, M Suthanthiran, L Tapia, W Stubenbord, K H Stenzel

Study of pre-sensitization by flow cytometry in cadaveric kidney recipients
C Stabile, J P Bernhardt, B W Colombe, K Huebner, D Wood, V Lim, W Amend, F Vincenti, J Melzer, N Feduska, O Salvatierra, M R Garovoy

Expression of HLA-DR antigen on endothelial cells in kidney allografts
G Leimenstoll, M Stitz, P Zabel, E Deltz, W Niedermayer

Cytomegalovirus infections after renal transplantation: effect of prophylactic hyperimmunoglobulin
E-H Scheuermann, P-B Bechstein, W Schoeppe, W Fassbinder
The selection of donors for highly sensitized patients 635
P T Klouda, B A Bradley, T C Ray, N H Selwood

Dissecting the centre effect 639
B A Bradley

Cytomegalovirus retinitis in a renal transplant patient with recurrent
opportunist infection: treatment with foscarnet and CMV hyperimmune
globulin 645

Erythrocytosis after kidney allotransplantation: haematological
characterisation and complications 651
G Keusch, H Jungbluth, K Mühlethaler, J Fehr, U Binswanger

IgM immune complexes, leucocytotoxins and rheumatoid factors
during active cytomegalovirus infections in renal graft recipients
 treated with azathioprine, Cyclosporin A or anti-thymocyte globulin 655
W M Baldwin III, F C Henny, F H J Claas, G W van Gemert, M L Westedt,
L C Paul, M R Daha, J J Haaijman, J Radl, L A van Es

Risk factors associated with aseptic bone necrosis following renal
transplantation 660
D Tsakiris, T C Aitchison, J D Briggs, J K Davidson, B J R Junor

Serum neopterin after kidney transplantation — a useful tool for graft
monitoring? 665
E Pohanka, M Schwarz, G Mayer, W Woloszczuk, J Kovarik,
H K Stummvoll

Neopterin in urine and serum after kidney transplantation 672
C Noel, J L Dhondt, M Dracon, G Lelievre, A Tacquet

Rescue of steroid-resistant rejections with OKT3.PAN 677
E Rivolta, A De Vecchi, A Tarantino, F M Egidi, A Vegato, C Ponticelli

Part XXV — GUEST LECTURE

Toxic immune glomerulopathy 683
P Druet

Part XXVI — GLOMERULAR DISEASE

Plasma exchange in lupus nephritis 699
S J Haworth, C D Pusey, C M Lockwood

Anti-bovine serum albumin antibody idiotypes in patients with IgA
nephropathy 705
J Gonzalez-Cabrero, J Egido, J Sancho, F Moldenhauer, L Hernando
May gluten-free diet reduce the levels of IgA immune complexes in primary IgA nephropathy?  
R Coppo, B Basolo, C Rollino, D Roccatello, G Martina, A Amore, G Bongiorno, G Piccoli

Factors affecting the progression of IgA nephritis  
K T Woo, R P S Edmondson, A Y T Wu, G S C Chiang, H S Pwee, C H Lim

Immunosuppressive treatment of 34 patients with microscopic polyarteritis  
C O Savage, C G Winearls, D J Evans, A J Rees, C M Lockwood

End-stage renal failure associated with occupational exposure to organic solvents  
G M Bell, A Doig, D Thomson, J L Anderton, J S Robson

Reduction in the incidence of membranoproliferative glomerulonephritis in France  
P Jungers, D Forget, D Droz, L H Noel, J P Grunfeld

Part XXVII – IMMUNOPATHOLOGY

Specific immunoadsorption in a rat model of Goodpasture’s syndrome  
C D Pusey, C J Ryan, M Aslam, J-J Lloveras, A J Dileo, C M Lockwood

Abnormal expression of the Goodpasture antigen in patients with Alport’s syndrome  
C O S Savage, C D Pusey, M Kershaw, S Cashman, P Harrison, B Hartley, D R Turner, J S Cameron, D J Evans, C M Lockwood

Characterization of target antigens in Goodpasture’s syndrome  
M Weber, H Kohler, M Manns, P Kurz, K-H Meyer zum Buschenfelde

T lymphocyte and macrophage involvement in the glomerular lesions of microscopic polyarteritis  
F Nolasco, J S Cameron, B Hartley

Defective function with normal expression of cell-surface Fc receptors in mixed cryoglobulinaemia  
D Roccatello, R Coppo, G Martina, F Malavasi, A Funaro, B Basolo, E Bancale, C Rollino, A Amore, G Piccoli

Demonstration of C₃d and C₃b in mesangial IgA-glomerulonephritis and Henoch-Schönlein purpura nephritis  
E W Rauterberg, Anne-Margaret Wingen, H-M Lieberknecht, E Ritz

Inherited variations in glomerular properties  
J M Boulton-Jones, L Chandrachud

Immunohistochemical characterization of cationic IgG in patients with membranous nephropathy and declining renal function  
P E C Brenchley, B M Coupes, C D Short, M P Mallick
Part XXVIII – IMMUNOLOGY–IMMUNOPATHOLOGY

Renal involvement due to heroin addiction 778
J M López-Gómez, M G Vinuesa, V Barrio, E Niembro, T Grau,
J Solares, A Alvarez, A Franco, F Valderrabano

Absence of IgA in the glomerular deposits of patients with cirrhosis
of the liver and glomerulopathy 784
J Montoliu, A Darnell, A Torras, X M Lens, L Revert

Urinary complement breakdown product, C\textsubscript{3d,g}, in membranous
nephropathy — a marker of disease activity? 790
B M Cupes, C D Short, P E C Brenchley, S Boyd, N P Mallick

Intradermal skin testing in the loin pain haematuria syndrome 796
G M Bell, D Thomson, J L Anderton, A T Lambie, A Doig

Tonsillectomy decreases the synthesis of polymeric IgA by blood
lymphocytes and clinical activity in patients with IgA nephropathy 800
L Lozano, R Garcia-Hoyo, J Egido, R Blasco, J Sancho, L Hernando

The regulation of the autoimmune response in active Heymann's
nephritis by T cell subsets in Lewis rats 805
E de Heer, M R Daha, L A van Es

Effect on lymphocyte function of transfusion-related serum factors 809
M A Forwell, J E Cocker, M G Peel, J D Briggs, B J R Junor,
R N M MacSween, G P Sandilands

Abnormal immune response in patients with minimal change
nephropathy in remission 813
A H Wilkinson, D G Williams

Part XXIX – WORKSHOP

Immunopathology of nephritis 819
Ph J Hoedemaeker

Part XXX – GUEST LECTURE

Pathophysiology and management of hypertension during pregnancy 823
M D Lindheimer, J M Davison, A I Katz

Part XXXI – HYPERTENSION–PHYSIOLOGY

Diet and blood glucose: effects on renal response to acute dietary
protein challenge in diabetics with elevated glomerular filtration rate 843
G C Viberti, E Bognetti, M J Wiseman
Extracellular volume and blood pressure in 82 haemodialysed children
D Leroy, M Dechaux, G Guest, M Broyer, C Sachs
847

Plasma renin activity circadian rhythm in hypertensive subjects
G Del Rosso, B Di Paolo, D Viola, F Capani, A Consoli, A Albertazzi
851

Influence of angiotensin II and catecholamines on prostanoid
synthesis by isolated rat glomeruli
E Podjarny, H Magen, M Rathaus, J Bernheim
858

NADH-dependent PGE2-9-ketoreductase activity in the kidney of
diabetes insipidus Brattleboro and Long Evans rats: relationship with
urinary PGE2 and PGF2α excretion
M Rathaus, M Werber, N Kariv, E Podjarny, J Bernheim
862

Effects of thyroid hormones on sodium diffusion across proximal
tubular brush border membranes
F Turrini, B Contu, T De Nurra, A Ginanni, A Satta, M Branca,
E Bartoli
865

The effect of angiotensin II on kidney function
J Shohat, G Boner, J Rosenfeld
871

Part XXXII — CARDIOVASCULAR

Malignant essential hypertension: comparison with malignant
hypertension in IgA nephropathy
X M Lens, J Montoliu, R Subias, A Botej, A Darnell, L Revert
875

High incidence of proximal renal artery lesions in accelerated or
malignant hypertension
C Guerin, C Genin, R Gonthier, J C Sabatier, J Toulon, G Leroy,
X Barral, C Veyret, F C Berthoux
880

Interaction between dietary sodium and calcium in blood pressure
control in essential hypertension
C Zoccali, D Iellamo, S Parlongo, Q Maggiore
884

Kinetics of Nifedipine in patients treated with maintenance
haemodialysis
H Martre, C Jacobs, E Singlas, R Sari, A M Taburet
889

Decreased urinary kallikrein excretion prior to delivery in
pregnancy induced hypertension
R Sipilä, M Jalkanen, K Huotari
894

Salt preference in pregnant hypertensive rats
M Sabbatini, M Altomonte, G Conte, C Esposito, G Romano,
F Uccello, P Venero, V E Andreucci, A Dal Canton
898

Myocardial beta adrenergic receptor response coupling in rats with
chronic renal failure
K Kumano, S Yokota, T Sakai
901
Characterization of uraemic cardiomyopathy by left heart catheterization with serial analysis of pressure-volume relations and myocardial $O_2$ consumption
V Wizemann, W Kramer, J Thormann, M Kindler

Cardiovascular complications in patients with adult polycystic kidney disease
R Götz, K Schafferhans, R M Schaefer, P Schanzenbächer, M Teschner, E Heidbreder, A Heidland

Part XXXIII – URAEMIA

Glucagon-mediated modifications of glomerular filtration rate induced by essential amino acids and ketoanalogues
P Cappelli, G Del Rosso, B Di Paolo, M Evangelista, M T Nisi, A Albertazzi

The effect of dietary protein quality in experimental renal disease
A J Williams, F E Baker, J Walls

Low protein diet prevents glomerular damage in adriamycin-treated rats
G Remuzzi, C Zoja, A Remuzzi, M Rossini, C Battaglia, M Broginni, T Bertani

Restoration of uraemic lymphocyte responses in vitro by interleukin-2
E Langhoff, J Ladefoged, K Olgaard, S Madsen

Importance of the role of the blood transfusions in delayed hypersensitivity among end-stage renal disease patients
F Louis, P Ruedin, D Frei, M Jeannet, H Favre

Immune defects in the early stage of chronic renal failure
P Kurz, H Köhler, T Hüteroth, M Weber, K H Meyer zum Büschenfelde

Platelet function is enhanced, not depressed in uraemia
P B Rylance, M P Gordge, M J Weston

How to evaluate the carbohydrate intolerance in uraemia. Is serum reverse $T_3$ clinically useful?
S De Marchi, E Cecchin, G Panarello, F Testio

Part XXXIV – GUEST LECTURE

Prevention of aminoglycoside nephrotoxicity
M E De Broe

Part XXXV – GUEST LECTURE

Analgesic nephropathy
U C Dubach
Part XXXVI – WORKSHOP

Analgesic nephropathy
UC Dubach

Part XXXVII – NEPHROTOXICITY–AMINOGLYCOSIDES

Mefenamic acid nephropathy – a spectrum of renal lesions
A J Nicholls, J R Shortland, C B Brown

Analgesic nephropathy and aluminium toxicity
A Schwarz, D Kraft, F Keller, W Meyer-Sabellek, D Gawlik, G Offermann

Drug-associated acute renal failure. A prospective multicentre report
D Kleinknecht, P Landais, B Goldfarb

Cortex and medullary proton magnetic resonance in gentamicin and glycerol acute renal failure in rats
A Ilaina, S Abrashkin, J Weininger, L Grifel, R Shneider, M Gross, L Lupo, H Rosenman

Prevention of glycerol-induced acute renal failure in rabbits by the thromboxane-antagonist BM 13.505
K Stegmeier, F Hartig, J Pill, H Patscheke

Neonatal diabetes insipidus due to maternal lithium therapy during pregnancy
M Van Dyke, R Van Damme-Lombaerts, W Proesmans

Mitomycin-induced renal injury
V Cattell

Nephrotoxicity of high dose methotrexate therapy – a long-term follow-up study in five juvenile patients with osteosarcoma
R Wartha, M Damjantschitsch, V Damjantschitsch, J Kuehl, D Gekle

Part XXXVIII – WORKSHOP

Toxic acute renal failure
JP Grunfeld

Part XXXIX – PROSTAGLANDINS/HORMONES

The effect of Felodipine a new calcium antagonist on renal function
DAS Jenkins, KJ Craig, AM Macnicol, ML Watson

Urinary PGE$_2$ and PGF$_{2\alpha}$ in diabetes insipidus Brattleboro and Long Evans rats submitted to potassium loading
M Rathaus, N Kariv, J Shapira, E Podjarny, J Bernheim
Role of endogenous prostaglandins on the release of anti diuretic hormone
M Usberti, G DiMinno, B Ungaro, A Gargiulo, F Martucci, G Ardillo, B Cianciaruso, V Calderaro, S Federico

Increase of glomerular filtration rate following aminoacid infusion is suppressed by indomethacin in normal subjects
T Eisenhauer, K Scholz, F Scheler

Effect of an acute sodium chloride load on the urinary excretion of prostaglandins $E_2$ and $F_2$ in antidiuretic suppressed dogs
M Schneider, I Erez, B Shpitz, M Rathaus, J Bernheim

Kallikrein-kinin system involvement in chronic glomerular disease
A Pierucci, B M Simonetti, F Pugliese, M Manzi, P Mené, G Stirati, G A Cinotti

Diurnal pattern of serum cortisol and adrenal cortisol reserve in patients with nephrotic syndrome
S Czekalski, K Napierala, W Wielczko, J Lapis, S Pynka

Pancreatic beta cell function in non diabetic patients with renal failure
W G J Smith, I Hanning, D G Johnston, A T Raftery, C B Brown

Part XL – CLINICAL NEPHROLOGY

Hepatitis B vaccine in non-dialysed uraemic patients: preliminary results
P Jungers, Ph Chauveau, A M Courroucé, B Mattlinger, J Crosnier

Improvement of immune response in dialysis patients to Hevac B vaccine after multiple injections of vaccine
P Michel, G Janin, S El Yafi, P Chevallier, P Girard, M Laville, C Trepo

Low-protein diet increases serum albumin by reducing proteinuria in some nephrotic patients
J van der Meulen, L Gooren, P L Oe

Monitoring renal toxicity of cis-platinum by urinary enzymes
U Metz, E Kurschel, N Graben

Rhabdomyolysis and myoglobinuria in 19 patients with chronic alcoholism
K W Rumpf, T H Henz, H Kaiser, H Klein, H Prange, F Scheler

The effect of preventive administration of nifedipine on acute ischaemic renal failure in hydroptic dogs
T Natsheh, E Alexopoulos, A Dimitriadis, T Tsobanelis, S Kalpakoglou, M Papadimitriou

Characterization of neutral proteinases in urine from nephrotic rats with a proliferative or a non-proliferative glomerular disease
J C Davin, M Davies, J M Foidart, J B Foidart, C A Dechene, P R Mahieu
Morphine transport in the isolated perfused rat kidney
P J Radcliffe, J W Sear, C W Hand, R A Moore

Part XLI – CLINICAL NEPHROLOGY II

Influence of a meat-free diet on the urinary excretion of 3-methylhistidine and creatinine in chronic renal failure
A Gutierrez, G A Qureshi, J Bergström

Sites of defective regulation of prolactin secretion in chronic renal failure
B Cianciaruso, A Capuano, M Iodice, A Auciello, R Iandolo, D Bonanno, F Marcuccio, V E Andreucci

Reduced 1,25(OH)₂ D₃ may be responsible for the development of hyperparathyroidism in early chronic renal failure
P A Lucas, R C Brown, C R Jones, J S Woodhead, G A Coles

Abnormal lipoprotein metabolism in incipient renal failure
A Gnasso, W Haberbosch, J Augustin, E Ritz

Selenium deficiency in chronic uraemia and dialysis
A Leung, I Henderson, G Fell, D Hall, A C Kennedy

A study of factors responsible for the low concentration of α-tocopherol in chronic renal failure
S Yukawa, K Mori, H Nomoto, N Nishikawa, I Nishide

Human cytomegalovirus in the urine of patients with chronic renal failure
K Gmelin, L Theilmann, B Widenmann, P Klooker, M Rambausek, K Dreikorn, J Bommer, M Renz, R Braun, B Kommerell, E Ritz

Correlation between serum phosphate concentration and rate of progression of chronic renal failure
N Gretz, E Meisinger, M Strauch

Progression of chronic renal failure is retarded with more frequent clinical follow-up
J Bergström, A Alvestrand, H Bucht, A Gutierrez

Part XLII – CLINICAL NEPHROLOGY III

The therapeutic advantage of soft versus hard water in calcium stone-formers treated with hydrochlorothiazide is dependent upon concomitant oxalate restriction
P Bataille, M Fiez, H Renaud, P Leflon, P Rogez, B Tribout, P Fievet, A Fournier

xxv
Transient hyperoxaluria after ingestion of food rich in oxalic acid as a high-risk factor for calcium oxalate calculi
P Balcke, J Zazgornik, G Sunder-Plassmann, H Kopsa, F Gremmel, K Derfler, A Kiss

Comparison of motor nerve conduction velocity and vibratory perception as long term markers of uraemic polyneuropathy
H Raidt, R Hachmöller, D Steinhausen, U Graefe

The role of alpha-1-microglobulin in the evaluation of tubular impairment and as a parameter superior to creatinine in the estimation of glomerular filtration rate
M H Weber, P Scholz, F Scheler

$^{99m}$Tc-Aprotinin uptake test and separate kidney function
C Aprile, R Saponaro, G Villa, M Carena, A Salvadoro, F Lunghi, V Piazza, E Petrella

$^{111}$Indium-oxine labelled platelets in the diagnosis of renal allograft rejection during Cyclosporin A therapy
J M Griñó, J Torras, J Martin-Comín, J Mora, I Sabate, A M Castelao, M Roca, J Alsina

Treatment of acute renal failure in the newborn by continuous arteriovenous haemofiltration
C Ronco, A Brendolan, L Bragantini, S Chiaramonte, A Fabris, M Feriani, L Menicanti, A Saccaggi, G La Greca

Acute renal failure in children
M Rengel, J Fernandez-Llebrez, L Garcia, F Vargas-Zuniga, P Caro, M Desco, F Gómez

Semi-controlled multicentre study of double filtration plasmapheresis in systemic lupus erythematosus
T Agishi, T Takuma, H Amemiya, K Ito, H Kawaguchi, H Hashimoto, J Yamagata, N Koga, Y Yamagata

Part XLIII — CALCIUM — VITAMIN D — PARATHYROID HORMONES

Extra-renal production of $1,25(OH)_2 D_3$ and $24,25(OH)_2 D_3$
in anephric patients
G Graziani, S Adami, S Casati, A Cantaluppi, D Tartarotti, C Castelnovo, V Lo Cascio, C Ponticelli

Determinants of serum calcium after renal transplantation: the role of $1,25(OH)_2 D_3$
P A Lucas, R C Brown, L Bloodworth, J S Woodhead, G A Coles

Plasma bone-Gla Protein: assessment of its clinical value as an index of bone turnover and bone formation in haemodialysis patients
J L Sebert, J C Ruiz, J Gueris, P Fardellone, A Marie, Ph Morieniere, G Lambrey, A Smadja, A Fournier