

GENERAL INFORMATION :

VANHOLDER RAYMOND

Steenhuisdreef 27, BE-9031 DRONGEN - Belgium.

Born: Gent, 17th of October, 1949.

Military status: Military service from 1/9/80 until 30/9/81. Lieutenant (Reserve).

STUDIES AND CERTIFICATES :

- High School, Sint Barbaracollege, Gent, 1967.
- Candidate in Medicine, Ghent University, 1970.
- Medical Doctor, Ghent University, 1974.
- Specialist in Internal Medicine, 1979.
- Ph. D, 1984.

UNIVERSITY CARREER :

Assistant in the Department of Internal Medicine, University Hospital Ghent,
1.10.74 to 30.9.80.

Assistant in the Laboratorium of Renal Physiology, Dir.: Prof. Dr. P.P. Lambert, Queen Elisabeth Foundation, Brussels, 1.10.78 to 30.9.79.

At this occasion titulary of a scholarship of the Belgian Fund for Medical Research.

Assistant in the Department of Nephrology, University Hospital Ghent (Dir.: Prof. Dr. S. Ringoir) from 1st of October, 1980.

Scientific collaborator in the Department of home hemodialysis.

Staff member of the Clinical Department of Nephrology, from Februari 1st, 1985.

Lector at the University of Ghent, from October 1986.

Instructor Nephrology Department - Home Hemodialysis from 1st of February, 1989.

Senior lecturer (part time: 1/10) at the University of Ghent, from 1/10/91 (Z.A.P).

Member of the Faculty of the "Licence Biomedical Techniques", founded on October 1st, 1991 at the Ghent University.

Course : "Medical Apparature" (1991-1996) and "Biocompatibility" (1991-1996). Suppleant for Prof. Ringoir: "Artificial Organs " (1991-1996).

Member Faculty INFA (International Faculty for Artificial Organs), Bologna, from 1/10/93.

Professor of Medicine (part-time: 1/10) at the University of Ghent from October 1st, 1997.

Extraordinary Professor of Medicine (part-time: 1/10) at the University of Ghent from October 1st, 2000.

Head of the Department of Nephrology at the University Hospital of Ghent from October 1st, 2005.

EXPERIMENTAL WORK:

In the Laboratory of Physiology and Pathophysiology, Prof. Dr. I. Leusen, University Ghent, 1977-1984.

In the Laboratory of Renal Physiology, Prof. Dr. P.P. Lambert, Queen Elisabeth Foundation, Brussels, 1978-1979.

In the Laboratory of the Nephrology Department, Prof. Dr. S. Ringoir (Head of the Department until 30/9/96) & Prof. Dr. N. Lameire (Head of the Department since 1/10/96) , University Hospital Ghent, 1979 - 2005.

SCIENTIFIC TITLES :

International Societies :

- Dutch Society of Nephrology (the Netherlands : NVVN), 1979-, member.
- Dutch Society of Nephrology (the Netherlands : NVVN), 1997-2000, board member.
- French Society of Nephrology, 1980- , member.

- European Dialysis and Transplant Association-, 1983, member.
- European Dialysis and Transplant Association- European Renal Association, 2000 - 2003, council member.
- International Society of Nephrology, 1983-, member.
- International Society of Artificial Organs, 1985-, member.
- American Society of Artificial Organs, 1987-, member.
- National Kidney Foundation, (U.S.A.), 1989-, member.
- American Society of Nephrology, 1990-, member.
- European Society of Artificial Organs, 1992- , member.
- European Society of Artificial Organs, 1997- , governor.
- European Society of Artificial Organs, 2000-2002, president elect.
- European Society of Artificial Organs, 2002-2004, president.
- European Society of Artificial Organs, 2004-, past president.
- International Society for Renal Nutrition and Metabolism, 1995-, member.
- European Society for Engineering and Medicine, 2000-, member
- European Chapter of the American College of Nutrition, 2002- , Council coordinator for nephrology.
- International Society of Uremic Toxicity, Council member, 2002- .

National Societies :

- Belgian Society of Internal Medicine, 1979- , corresponding member.
- Belgian Society of Biomedical Engineering, 1988-, member.
- President Contact Groups Nephrology, NFWGO from 1990 - 1993.
- Dutch-speaking Belgian Society of Nephrology (NBVN) , 1991-, member.
- Member Executive Committee of the Dutch-speaking Belgian Society of Nephrology (NBVN), secretary, from 1991- 1995.
- Belgian Society of Nephrology (BVN), 1993- , member.
- Founding President of the Belgian Society of Nephrology (BVN), president from 1993- 1996 .
- Member of the Board of the Belgian Society of Nephrology (BVN), 1996-2000 .
- Belgian Society of Transplantation, 1995- , member.
- Libanese Society of Nephrology and Hypertension, Honorary member, 2005- .

VISITS TO INTERNATIONAL RESEARCH CENTERS:

- Artificial Organs Center, Cleveland Clinic Foundation, Ohio, U.S.A. (Prof. Y. Nosé 1985).
- Nephrology Department, Brigham's Hospital, Boston, Mass, U.S.A. (Dr. R. Hakim 1986).
- Artificial Organs Center, Salt Lake City, Utah, U.S.A.(Prof. P. Kolff- 1986).
- Artificial Organs Center, Rostock, G.D.R. (Prof. Klinkmann, 1986).
- Artificial Cells Division, Mc. Gill University, Montreal, Canada (Prof. T. Chang - 1986).
- Division of Biology and Medicine, Brown University, Providence, R.I., U.S.A. (Prof. P. Galletti - 1986).
- Institute of Biological Chemistry and Nutrition, University Hohenheim, Stuttgart, F.R.G.(Prof. P. Fürst, 1987).
- Department of Urology, Osaka City University Medical School, Osaka, Japan (Prof. Maekawa - 1988).
- Stanford Research Institute, California, USA, (Ir. M. Madou - 1988).
- Nephrology Department, Henri Ford Hospital, Detroit, Michigan, USA (Dr. Dumler 1988).
- Nephrology Department, University of Michigan, Ann Arbor, U.S.A. (Prof. Wiggins - Prof. Hsu - 1988)

- Nephrology Department, Vanderbilt University, Nashville, U.S.A. (Prof. R. Hakim - P. Teschan - 1988).
- Nephrology Department, University of Michigan, Ann Arbor, U.S.A. (Prof. Wiggins, Prof. C. Hsu - 1990).
- Bioengineering Unit, Strathclyde University, Glasgow, U.K. (Prof. J. Courtney- 1991).
- Nephrology Department, Royal Infirmary, Glasgow, U.K., (Prof. Mc. Killop - 1991).
- Department of Pathology and Experimental Hepatology, Rhode Island Hospital, Brown University, Providence, Rhode Island, U.S.A. (Prof. H. Jauregui - 1991).
- Department of Nephrology, Louisiana State Univ., Shreveport, U.S.A. (Prof. J. Work, Prof. K. Abreo - 1992).

TEACHING EXPERIENCE :

Free course : Biocompatibility and artificial organs, 28/10, 04/11, 18/11 and 25/11/86 at the Medical Faculty of the University Ghent.

Free course : Biocompatibility and artificial organs, 6/10, 13/10, 20/10, 10/11, 17/11 and 24/11/87 at the Medical Faculty of the University Ghent.

Free course : Biocompatibility and artificial organs on 8/11, 15/11 and 22/11/88 at the Medical Faculty of the University of Ghent.

Free course : Biocompatibility and artificial organs on 15/1, 22/1, 29/1, 6/2 and 13/2/90 at the Medical Faculty of the University of Ghent.

Member of the Faculty of the "Licence Biomedical Techniques", founded on October 1st 1991 at the Ghent University.

Course : Medical Apparature (30 hrs) (1991-1996).

Suppleant for Prof. Dr. S. Ringoir: Artificial Organs (15 hrs) (1991-1996).

Biocompatibility (15 hrs) (1991- 2001).

Concerning the option: "Artificial Organs" as suppleant for Prof. Ringoir: "Artificial organs" (30 hrs) (1993-1996).

Under the new name: Specialized study in biomedical and clinical engineering techniques (GGS BKI), the course "Biocompatibility" (30 hrs) (1993-).

By order of Prof. Dr. S. Ringoir and Prof. Dr. N. Lameire: Theoretical courses on Emergency Medicine and Nephrology since 1985.

Clinical lessons Nephrology since 1985.

Clinical accompaniment of trainees Nephrology.

Responsible for the weekly journal club - Nephrology.

Since 1/1/92, follow-up of internships of 6th and 7th year medical students - problem solving for extra-muros internships (faculty level).

Professor of INFA (International Faculty of Artificial Organs), Bologna, from 1993.

Faculty Member of the course on "Artificial Organs". Ercole Majorana Foundation, Erice, Sicily: 1989, 1993.

Faculty Member of the course on "Biomolecular, bioderived and biomimetic materials, Gualino Foundation, Turin, Italy, 1993.

Course : Nephrology (Transplantation & volumesubstitution) for the training of Hospital Pharmacists (1995- 1997).

Coordination proposals European exchange programs (Socrates) for the Medical Faculty of the University Ghent (1996-1997).

Course : Principles of Medicine in the Faculty of Pharmacy Ghent University (30 hours) (1996-2005).

Involved in the development of teaching of clinical line of thought (writing, discussion and correction of case descriptions, teaching of lessons, University Hospital Ghent (1997-2005).

Responsible for the general staff meetings of the Department Internal Medicine, University Hospital Ghent (1998 -).

Mentor for the training of medical students, Department of Internal Medicine, University Hospital Ghent (1998-2005).

Chairman of the Teaching Group Gynecology/Urology, for the new curriculum in Medicine of the Ghent University (2001-2007).

Nephrology course : group Heart, Lungs, Kidneys and Blood Vessels (2005-)

COMMISSIONS :

Member of the Commission for fellowship supervision. Faculty of Medicine, University Ghent (1992-2000).

Member of the Ethical Commission on animal experiments. Faculty of Medicine, University Ghent (1996 -).

Member of the Commission on training medical students “ new style “. Faculty of Medicine, University Ghent (1997-2000).

Member of the Commission on training of students. Faculty of Medicine, University Ghent (1998-2003).

Member of the Steering Committee of the MPO-study (Membrane Permeability Outcome Study); International multicentric study. National Coordinator for Belgium (1997-2007).

Substitute member of the National Commission on Transplantation.

Member of the commission preparing the junction of the ASAIIO Journal, Artificial Organs and International Journal of Artificial Organs (1999-2002).

Member of the EDTA-ERCA commission for the redaction of the “European Best Practice Guidelines for Hemodialysis” (1999-).

Member of the Commission on Acute Kidney Injury of the International Society of Nephrology (1999-).

Member of the “think-tank group” Commission on the Graduate Education of the Faculty of Medicine, University Ghent, (2000-2001).

Chairman Uremic Toxins Working Group of the European Society of Artificial Organs (2000 -).

Member of the COMGAN Education Advisory Committee (2001-).

Member of the Kidney/Pancreas Comité of the Belgian Society of Transplantation (2001-2005).

Member of the pilote group of the Anemia and BKF Study ; French multicenter study for the effect of high-flux membrane on anemia (2001-2005).

Member of the European Council for Accreditation of the European Renal Association-European Dialysis and Transplantation Association (2002-2006).

Member of the pilote group and national coordinator (Belgium) of the study : “Evaluation of efficacy and safety of NaC₂G extracorporeally administered during hemodialysis, as add-on to EPO therapy, on anemia of ESRD patients” (2002-2003).

Co-chairman of the European Best Practice Guidelines (EBPG)- European Renal Association-European Dialysis and Transplantation Association (ERA-EDTA) (2002-).

Member of the Steering Committee of the Ericabell Project (2002-).

Chairman of the Work Group for the European Best Practice Guidelines for Hemodialysis (2003-).

Member of the K/DOQI Global Guideline Coordinating Board (2003-).

Member of the Data Safety Monitoring Commission (DSMB) for the study NN1606-1442 of Novo Nordisk (Growth Hormone in Hemodialysis Patients (2003-).

Co-chairman of the Global-DOQI guideline subcommission for the composition of worldwide Database Guidelines (2003-).

ASN Abstract Review Chairperson (2003-).

Member of the Administrative Board and Board of Directors of the Kidney Disease Improving Global Outcome (KDIGO) (2003-).

Chairman of the Work Group “Guideline Database/Data Warehouse “of the Administrative Board and Board of Directors of the Kidney Disease Improving Global Outcome (KDIGO) (2003-).

Commission Promotions Faculty of Medicine University of Ghent (2004-2005).

Member of the K/DOQI Guideline Advisory Board (2004-).

Chairman of the Commission on the future of The European Best Practice Guidelines (EBPG) (2007-)

Member of the Steering Committee of the (MIRCERA) study BH21260, F. Hoffmann-La Roche Ltd. (2007-).

Treasurer of Kidney Disease Improving Global Outcome (KDIGO) (2007-).

National representative of the Dialysis Outcomes and Practice Patterns Study (DOPPS).

Member of the Work Group “Dialysis Prescription and Practice” of the Dialysis Outcomes and Practice Patterns Study (DOPPS).

Chairman of Steering Committee for the development of an adsorption device Relitech (2008-).

Member of the Scientific Advisory Board (SAB) of the European Renal Association – European Dialysis and Transplantation Association (ERA-EDTNA) (2008-).

HUMANITARY ACTIONS :

*Coordination of dialysis for crush syndrome at the occasion of the Izmit earthquake in Turkey (17/8/99) for the Renal Disaster Relief Task Force (RDRTF) from the International Society of Nephrology (ISN), from August 18th until August 21st. Re-evaluation at the end of the action, from September 13th until September 17th, 1999.

*Follow-up intervention for the Renal Disaster Relief Task Force (RDRTF) from the International Society of Nephrology (ISN), at the occasion of the Iran earthquake in Bam (Iran): from January 7 until January 11, 2004.

*Coordination of the global intervention of the ISN/RDRTF at the occasion of the earthquake in Kashmir, Pakistan : from October 8 until November 2, 2005.

* Coordination scouting activities of the ISN/RDRTF at the occasion of the earthquake in Yogyakarta, Indonesia : from May 27 until June 6, 2006.

* Coordination ISN/RDRTF together with MSF for material support to Lebanon (Beirut) due to the Israelo-Libanese war, from July 21 until August 14, 2006.

* Coordination scouting activities of the ISN/RDRTF at the occasion of the earthquake in Peru: from August 15 until August 27, 2007.

EDITORIAL BOARD :

Member :

- * Kidney International
- * International Journal of Artificial Organs
- * Artificial Organs
- * Nephrology, Dialysis & Transplantation.
- * Blood Purification.
- * Acta Clinica Belgica
- * Advances in Renal Replacement Therapy
- * Clinical Nephrology
- * Journal of Leucocyte Biology
- * Portuguese Journal of Nephrology and Hypertension
- * Journal of the American Society of Nephrology

Co-editor : Artificial Organs.

Consulting editor - Haemodialysis/Haemofiltration : NDT-educational.

Subject editor – Haemodialysis/Haemofiltration: Nephrology, Dialysis & Transplantation.

Peer Reviewer :

- For the Vanderbilt University, Nashville, Tennessee – promotion R. Hakim : 1988-2007.

- For the Vanderbilt University, Nashville, Tennessee – promotion G. Schulman : 1990.

- For the “Joint Clinic Voluntary Research and Development Fund” (USA) : 1993.

- For the “Wellcome Trust “ (UK) : 1996, 1999, 2002.

- For the “Royal Society “ (London, UK) : 1997.

- For the Ethical Commission University Hospital Ghent : 1997.

- For the “ Funds for Scientific Research - Flanders ”, 1998.
- For the Human Frontier Science Program (Strasbourg) : 1998.
- For the “Universitaire Instelling Antwerpen “ : external advice promotions Independent Academic Personnel (B. Marescau).
- For the “Fonds zur Förderung der wissenschaftlichen Forschung “ - Austria, Wien : 1998, 2001.
- For the “Award De Meulemeester Piot “ – AIG Foundation, Gent, 1999.
- For the “ Award Nederlandse Organisatie voor Wetenschappelijk Onderzoek “, Den Haag, 1999.
- For the " Funds for Scientific Research - Flanders ", 2000.
- For the " General Pharmaceutical Inspection", Federal Ministry of Social Affairs, Public Health and Environment, 2001.
- For the "Vanderbilt University, Nashville, Tennessee – Promotion of G. Schulman to the Professorship with Tenure : 2002.
- For the Medical Research Council (UK) : 2004.
- For the CNRS (France) : 2004.

- Jury member for the annual award of the Belgian Society of Nephrology for the best presentation at their meetings (1993-2000).
- Jury member for the biannual award of the Belgian Society of Nephrology for the best publication (1997-2000).
- Jury member for the annual award of the Dutch Society of Nephrology (NVVN) for the best presentation at their meetings (1997-2001).
- Jury member for the annual Membrana Award of the European Society of Artificial Organs (1998-).
- Member of the abstract acceptance committee of the European Dialysis and Transplantation Association – European Renal Association (EDTA-ERA) (1994-).
- Member of the Jury for the biannual award of the Spa Foundation “The original Spa water” (2005, 2007).
- Research Council Free University Brussels (2007).
- Biomedical Materials (BMM) Program (2008).
- Fonds Erasme, ULB, Brussels, Belgium (2008).

JOURNALS :

- Nephrology, Dialysis and Transplantation : 1988-2009.
- Artificial Organs : 1990-2003,2006, 2008.
- Kidney International : 1990, 1993, 1994, 1996, 1998-2008.
- International Journal of Artificial Organs : 1992, 2002, 2004, 2005, 2007.
- European Journal of Clinical Pharmacology : 1993-1996, 1999-2001, 2003, 2008.
- American Journal of Kidney Diseases : 1993, 1997-2007, 2009.
- Pharmaceutical Research : 1994.
- American Journal of Nephrology : 1994, 2002.
- Blood Purification : 1995, 1997, 1998, 2000-2006, 2008-2008.
- The Biomedical Engineering Journal : 1995, 2001-2002.
- Journal American Society of Nephrology : 1995- 2009.
- Experimental Nephrology : 1996.
- Clinical Nephrology : 1996-1997, 1999-2009.
- Clinical Chemistry : 1997, 2004.
- Acta Clinica Belgica : 1997-1998, 2000, 2002.
- Clinical Rheumatology : 1997, 2001.
- Lancet : 1997 - 2002, 2004-2006.
- Scandinavian Journal of Urology and Nephrology : 1998.

- Biochemical Engineering Journal : 1998, 1999.
- Nephron : 1998-2001, 2003-2005, 2008.
- Life Science : 1998.
- Journal of Immunopharmacology : 1999.
- Pflügers Archiv, European Journal of Physiology : 2000-2001.
- American Journal of Physiology : 2000, 2007.
- BioDrugs : 2000.
- Journal of Clinical and Laboratory Medicine : 2000.
- Pediatric Nephrology : 2000, 2004, 2006.
- European Journal of Emergency Medicine : 2000.
- Journal of Leucocyte Biology : 2000.
- European Journal of Clinical Investigation : 2000.
- American Journal of Cardiovascular Drugs : 2001.
- Anesthesiology : 2001.
- Intensive Care Medicine : 2001.
- Journal of Clinical Investigation : 2002, 2003.
- Archives of Biochemistry and Biophysics : 2002.
- Hemodialysis International : 2003, 2007-2008.
- Nephrology : 2003.
- Journal of Nephrology : 2003, 2006-2007, 2009.
- Cytokine : 2003.
- Circulation : 2003, 2006-2008.
- Clinical Neurology and Neurosurgery : 2004.
- Clinica Chimica Acta : 2004-2008.
- Physiology & Behavior : 2004.
- Cochrane Database of Systematic Reviews : 2004, 2007.
- Journal of Proteome Research : 2004.
- Archives of Internal Medicine : 2005.
- Peritoneal Dialysis International : 2005-2008.
- Proteomics : 2005.
- Journal of Laboratory Chemistry and Clinical Medicine : 2005-2006.
- Natural Hazards : 2006.
- New England Journal of Medicine : 2006-2008.
- Clinical Journal of the American Society of Nephrology : 2006-2008.
- Nature Clinical Practice Nephrology : 2006.
- Journal of Renal Nutrition : 2007-2008.
- Clinical Biochemistry : 2007.
- Nature Clinical Practice Cardiovascular Medicine : 2007.
- Scandinavian Journal of Clinical & Laboratory Investigation: 2007.
- European Heart Journal: 2008.
- Portuguese Journal of Nephrology and Hypertension: 2008.
- Journal of Immunology: 2007-2008.
- British Medical Journal: 2008.

For the year 2000, 64 reviews of which NDT:14, KI:7, AJKD:7, JASN:6, Nephron:6, Clin.Nephrol.:6, Lancet: 4.

For the year 2001, 52 reviews of which KI:11, NDT:8, JASN:6, Nephron:4, Clin.Nephrol:4, AJKD:3, Lancet:1.

For the year 2002, 61 reviews of which KI:16, NDT:13, Lancet:4.

For the year 2003, 44 reviews of which KI:13, NDT:11, Circulation : 1.

For the year 2004, 61 reviews of which KI:14, NDT:8, JASN:7, Clin.Nephrol:7, Lancet:2.

For the year 2005, 61 reviews of which KI:9, NDT:28, JASN:5, Lancet:2.

For the year 2006, 50 reviews of which NDT:14, JASN:4, Lancet:1, New Engl J Med:1; Circulation:1.

For the year 2007, 85 reviews of which: NDT: 43, JASN: 5, J. Immunol.: 1, Circulation: 1, Hypertension: 1.

For the year 2008, 90 reviews of which: NDT: 45, JASN: 8, Circulation: 2, Eur. Heart J.: 1, New Eng. J. Med.: 1, J. Immunol.: 1, Brit. Med. J.: 1.

E6. ELECTRONIC PUBLICATIONS

1. R. VANHOLDER. Uremic Toxins. UpToDate[®] online 10.1.
2. R. VANHOLDER. Case Study : hypokalemia in a hemodialysis patient. NDT-educational (<http://www.ndt-educational.org/case.asp>).
3. R. VANHOLDER. Guidelines & CME. EBPG : Guideline on dialysis dose. Take the quiz. NDT-educational (<http://www.ndt-educational.org/case.asp>).
4. R. VANHOLDER. CME slides forum. An overview of putative cardiotoxic substances in ESRD. NDT-educational (<http://www.ndt-educational.org/case.asp>).
5. R. VANHOLDER. CME slides forum. Guideline development demands a rigorous methodology. NDT-educational (<http://www.ndt-educational.org/case.asp>).
6. R. VANHOLDER, F. VERBEKE. Case Study : a kidney transplant patient with history of lupus and recent adenopathy. NDT-educational (<http://www.ndt-educational.org/case.asp>).

TRIALS :

R. Vanholder participated in several clinical trials.

TOPICS OF INTEREST :

Adequacy of Dialysis , Uremic Toxicity, Immune Function, Protein Binding of Drugs and Toxins, Vitamin D metabolism.

PUBLICATIONS and PRESENTATIONS

- A. INTERNATIONAL JOURNALS (A publications): 474
- B. BELGIAN JOURNALS: 44
- C. PROCEEDINGS: 40
- D. ABSTRACTS & LETTERS TO THE EDITOR: 431
- E. CHAPTERS IN BOOKS: 39
- F. PRESENTATIONS: 1342
- G. THESES: 64

MOST IMPORTANT CONTRIBUTIONS TO THE LITERATURE:

Number of citations

- July 1 2006: 4499
- July 1 2007: 5173 (+674)
- July 1 2008: 6053 (+880)

Total impact factor

- July 1 2006: 1214
- July 1 2007: 1350 (+136)
- July 1 2008: 1465 (+115)

Ten most cited publications

- 1) Kidney Int, 39, 320, 1991 – 170
- 2) Kidney Int, 63, 1934, 2003 - 161
- 3) Kidney Int, 42, 426, 1992 - 148

- 4) J Am Soc Nephrol, 10, 846, 1999 - 140
- 5) J Am Soc Nephrol, 11, 1553, 2000 - 111
- 6) J Am Soc Nephrol, 3, 1541, 1993 - 107
- 7) Lancet, 365, 417, 2005 - 103
- 8) Nephron, 47, 274, 1987 – 99
- 9) Am J Med, 110, 438, 2001 - 92
- 10) J Am Soc Nephrol, 11 116, 2000 - 89

Ten highest ranked publications

- 1) N Engl J Med, 354,1052, 2006 - 52.6
- 2) Lancet, 354,1316, 1999 - 28.6
- 3) Lancet, 365, 417, 2005 - 28.6
- 4) Nat Med, 11, 223, 2005 - 26.4
- 5) JAMA, 288, 2599, 2002 - 25.5
- 6) J Clin Invest, 96, 50,1995 – 16.9
- 7) Circulation , 112, 2875, 2005 - 12.8
- 8) Brit Med J, 1, 1138, 1977 – 9.7
- 9) Circ Res, 47, 839, 1980 - 9.7
- 10) Circ Res, 61, 311,1987 - 9.7

Coordinates: Nephrology Section, Ghent University Hospital, De Pintelaan 185,
BE-9000 Gent, Belgium. Tel: +32 93324525, tel.secr. +32 93324522, fax : +32 3324599.
E-mail: raymond.vanholder@ugent.be ; e-mail secr.: chantal.bergen@ugent.be