

Klaus Ølgaard

Born: 1942 in Denmark

Medical Education:

1970 Cand. Med. (M.D.) from University of Copenhagen.

Medical Specialist:

1980 in Nephrology.

1982 in Internal Medicine.

Dr. Med.: 1980 at the University of Copenhagen.

Doctoral Thesis: "Aldosterone regulation in anephric and non-nephrectomized uremic patients".

Chief Physician:

1987 at Medical Department P, Division of Nephrology, Rigshospitalet, Copenhagen.

Professor of Internal Medicine & Nephrology:

1994 at University of Copenhagen and Medical Department P, Division of Nephrology, Rigshospitalet.

Employments:

1970 - 1973	-	Resident at Rigshospitalet, Copenhagen.
1973 - 1977	-	Research Fellow at Medical Department P, Rigshospitalet.
1977 - 1978	-	Senior Resident at Copenhagen Hospitals.
1979 - 1981	-	Visiting Assistant Professor of Medicine ved Washington University, Renal Division, Department of Internal Medicine, Barnes Hospital, St. Louis, Missouri, USA.
1981 - 1982	-	Senior Resident at Department of Endocrinology , Herlev Hospital
1982 (6 mo.)	-	Resident at the Department of Clinical Immunology, Rigshospitalet.
1982 - 1986	-	Senior Resident at Nephrological Department P, Rigshospitalet.
1987 - 1994	-	Chief of Nephrology at Medical Department P, Rigshospitalet.
1994 -	-	Professor of Internal Medicine and Nephrology at University of Copenhagen and Medical Department P, Rigshospitalet.

Teaching:

Professor of Internal Medicine and Nephrology at the University of Copenhagen, 1994 - Senior Lecturer at the University of Copenhagen, Medical School, 1972, 1981, 1983-1986 and 1989-1994.

Visiting professor, Washington University, Renal Division, St. Louis, Mo., USA, 1979-1981.

Tutor for:

1. **Michael Krogsgaard:** Ph.D thesis: Prednisoninduceret osteoporose. University of Copenhagen.
2. **Martin Egfjord:** Steroidmetabolismen ved uræmi, experimentelt belyst. University of Copenhagen. Doctoral Thesis 1995.
3. **Henrik Daugaard:** Et studium over metabolismen af parathyreoideahormon ved uræmi. University of Copenhagen. Doctoral Thesis 1996.
4. **Claus Hemmingsen:** Calciumstofskiftets regulation af renalt calbindin-D28K. University of Copenhagen. Doctoral Thesis 2000.
5. **Ewa Lewin:** Parathyroid hormone regulation in normal and uremic rats - reversibility of secondary hyperparathyroidism after experimental kidney transplantation. Doctoral Thesis. University of Copenhagen, 2004. Dan Med Bull 51:184 – 206, 2004.
6. **Palle Kjærulff Nielsen:** Research fellow: D-vitamin metaboliters indvirkning på gl. parathyreoidea belyst experimentelt. Dept. P, Rigshospitalet.
7. **Wanmei Wang:** Factors in minute-to-minute regulation of calcium homeostasis. University of Copenhagen. Ph.D. thesis 2000.
8. **Marianne Rix:** Knogleforandringer hos patienter med let til middelsvær nefropathi - diagnostik, monitorering og behandling. University of Copenhagen. Ph.D. thesis 1999.
9. **Merete Heitmann:** Den cardiale og renale funktion hos hjerteinsufficiente patienter. Før og efter behandling, dels med acehæmmeren Trandolapril dels med tillæg af Alpha-Beta-blokkeren Carvedilol. University of Copenhagen, Ph.D. thesis 2001.
10. **Ulla Davidsen:** (Roskilde): Central and renal effects of antihypertensive treatments with the calcium channel blockers verapamil and amlodipine. K.U., Ph.D. student.
11. **Carlos Estepa:** PTHrP, Phosphorus and PTH secretion. Ph.D at the University of Cordoba, Spain, 2002
12. **Ida Maria Schmidt:** Determinants of kidney size in young children: 1270 Danish children from birth to 18 months of age. Ph.D. thesis University of Copenhagen 2005
13. **Jinxing Huan:** Autoregulation of the parathyroid gland. University of Copenhagen, Ph.D thesis, 2007.
14. **Lisbet Brandt:** $1\alpha(\text{OH})\text{D}_3$ – One-alpha-hydroxy-cholecalciferol – an active vitamin D analog. Clinical studies on prophylaxis and treatment of secondary hyperparathyroidism in uremic patients on chronic dialysis. Afd. P, Rigshospitalet. Doctoral Thesis University of Copenhagen 2008
15. **Susanne Bro,** Cardiovascular effects of uremia in apolipoprotein E-deficient mice. Doctoral Thesis, University of Copenhagen 2009
16. **Eva Gravesen.** Reversibility of uremic vasculopathy. Ph.D. thesis at University of Copenhagen 2018
17. **Maria Leche Mace.** Kidney-Bone-Vasculature Axis Ph.D thesis at University of Copenhagen 2018
18. **Anders Nordholm.** Klotho and ageing. Ph.D student at University of Copenhagen since February 2016
19. **Ditte Hansen:** Post Doc. KU. Skeletal problems after transplantation
20. **Søren Egstrand:** Circadian Clock and the Parathyroid Gland . PhD student at University of Copenhagen since March 2018
+ a number of Osval students

Official Opponent at University Doctoral and Ph.D. Thesis:

- I **Jörg-Hartwig Andresen's** Doctoral Thesis: Quantitative and qualitative radiological bone studies in normal subjects, in patients with chronic renal failure and in renal transplant recipients.

- University of Aarhus, Denmark.
- II **James Heaf's** Doctoral Thesis: Uremic osteodystrophy: Etiological, diagnostic and therapeutic aspects. University of Copenhagen.
- III **Jørgen Thode's** Doctoral Thesis: Ionized Calcium and Cyclic AMP in Plasma and Urine.
University of Copenhagen.
- IV **Tonny Jensen's** Doctoral Thesis: Albuminuria - A marker of renal and generalized vascular disease in insulin-dependent diabetes mellitus.
University of Copenhagen.
- V Ved cand. scient. **Sven-Ulrik Gorr's** licentiat (Ph.D Thesis): Storage and Sulfation of Chromogranin A.
University of Copenhagen.
- VI **Steen Karstrup's** Doctoral Thesis: Ultrasonically guided localization, tissue verification and percutaneous treatment of parathyroid tumours.
University of Copenhagen.
- VII **Eva Elisabeth Hommels** Doctoral Thesis: Impact of hypertension and antihypertensive treatment on kidney function in diabetic nephropathy.
University of Copenhagen.
- VIII **Klaus Müllers** Doctoral Thesis: Studies on the role of Vitamin D₃ in immunoregulation.
University of Copenhagen.
- IX **Berit M. Mortensens** Doctoral Thesis: The Influence of Vitamin D₃ on bone remodelling: In vitro and in vivo studies of bone turnover in the normal and uraemic conditions.
University of Oslo, Norway.
- X **Anne-Lise Kampers** Doctoral Thesis: Progressive chronic nephropathy. With special emphasis on the influence of angiotensin converting enzyme inhibition.
University of Copenhagen.
- XI **Peter Rossings** Doctoral Thesis: Promotion, prediction, and prevention of progression in diabetic nephropathy.
University of Copenhagen.
- XII **Poul Martin Gehrchen's** Ph.D. Thesis: Quantitative measurements of adaptive bone remodelling in the proximal femur following uncemented total hip arthroplasty using dual energy X-ray absorptiometry.
University of Copenhagen.
- XIII **Henrik Post Hansens** Doctoral Thesis: Diabetic nephropathy, aspects of pathophysiology and treatment.
University of Copenhagen.
- XIV **Peter Hovinds** Doctoral Thesis: Initiation, progression and remission of diabetic nephropathy.
University of Copenhagen.
- XV **Jacob Tfelt-Hansen's** Doctoral Thesis: The role of Calcium-sensing Receptor and signalling pathways in the Pathophysiology in two in vitro models of Malignant Hypercalcemia: The rat Rice H-500 Leydig testis cancer and prostate cancer (PC-3) cells. Expression and regulation of pituitary transforming gene in Leydig testis cancer and astrocyte and astrocytoma cells.
University of Copenhagen 2007.
- XVI **Christopher M. Burton's** Ph.D.: "Inflammatory interstitial lesions in the pulmonary allograft". University of Copenhagen 2008.
- XVII **Sanela Smajilovic's** Ph.D. Thesis: Calcium-sensing receptor and calcimimetics in the cardiovascular system.
University of Copenhagen 2009.

- XVIII **Katrine Jordan Schjødt's** Doctoral Thesis: The Renin-Angiotensin-Aldosterone System and its Blockade in Diabetic Nephropathy. Main focus on the role of aldosterone.
University of Copenhagen 2010
- XIX **Ditte Hansen's** Ph.D. Thesis: A randomised clinical study of Alfacalcidol and Paricalcicol.
University of Copenhagen, 2011.
- XX **Morten A Karsdal's** Doctoral thesis: The coupling of bone formation to bone resorption, and cartilage turnover to bone to bone turnover: Challenging preconceived concepts to uncover novel intervention modalities.
University of Southern Denmark, 2012
- XXI **Christel Asserina Bjerregaard Jørgensen's** PhD Thesis: "The role of vitamin D in diabetic complications – prognostic impact and therapeutic potential"
University of Copenhagen, 2012
- XXII **Frederik Perssons** Doktorat thesis: "Blocking the renin angiotensin system in patients with type 2 diabetes and albuminuria – Focus on renin inhibition"
University of Copenhagen, 2013
- XXIII **Iain Bressendorff** PhD Thesis: Magnesium and Vascular Calcification in Chronic Kidney Disease.
University of Copenhagen, 2013

Awards and Honors:

Fabrikant Ulrich Brinch og hustru Marie Brinch's Legat, 1988.
William Nielsens Fonds Hæderspris, 1998.
Mommens legat (DNS) 1983 & 2001.
The Danish Medical Association 2004.
Ridder af Dannebrogordenen 2008.
Honorary member of The Danish Kidney Association 2011

Member of the Board of Foundations:

Chairman for W. Krag's Legat for Blinde og Vanføre 1988 -.2019
Danish Kidney Foundation 1991 - 1994 and 1997 - 2000.
Danish society of Nephrology scientific foundation 1991 - 1995.
The Danish Medical Associations's Scientific Committee 1992 - 2000.
Ruth I.E. Kønig-Petersens Foundation 2000 -.
Chairman for Edith and Frode Waagens Foundation 2001 - 2017
Research Council at the Medical School, University of Copenhagen 2003 – 2009
Ellen og Christen Lundsgaards legat for lægeenker 2011 - 2018

Referee for Scientific International Organizations:

1. EU: European Young Investigator Awards (Forskningsstyrelsen).
2. Israel Science Foundation.
3. University of Cordoba, Spain, Professor application for Yolanda Almaden.
4. Nominator for full Professorship for dr. John Cunningham at London Medical School,
5. NSERM (French National Institute of Health) Scientific Commission
6. Nominator for Professor Ed Slatopolsky to The John P. Peters Award (ASN).
7. Nominator for Professor Justin Silver to The AMGEN Award (ISN).
8. Nominator for Professor Hans-Henrik Parving to Adjunc Professor at University of Copenhagen
9. Nominator for Professor Hans-Henrik Parving to The Scribner Award (ASN).
10. Evaluating Dr. Peter Stenvinkel for full professor at Karolinska Institute, Stockholm, 2008

11. Referee on a Full Professorship in Molecular Biology at the Hebrew University, Jerusalem to Dr. Tally Naveh-Many, 2010
12. Referee on an Associate Professorship in Internal Medicine and Nephrology at the Hadassah Hospital, the Hebrew University, Jerusalem to Dr. Yosef S Haviv, 2010
13. Nominator for Associate Professor Makoto Kuro-o to Full Professor at Southwestern University, Medical Center, Dallas, Texas, USA
14. Referee for the European Research Council 2012
15. Referee on the promotion of Dr. Iddo Ben-Dov to the rank of Senior Lecturer in Internal Medicine (Nephrology) at the Hadassah Hospital, the Hebrew University, Jerusalem, 2010
16. Evaluating Dr. Michal Dranitzki-Elhalel for Senior Lecturer in Nephrology at the Hadassah Hospital, the Hebrew University, Jerusalem, 2010
17. Evaluating Dr. Tobias Larsson for full professor at Karolinska Institute, Stockholm, 2013
18. Evaluating Dr. Iddo Ben-Dov for promotion to the rank of Associate Professor in Internal Medicine (Nephrology) at the Hebrew University of Jerusalem, Israel, 2016.

Member previously of

International Scientific Advisory Boards:

AMGEN – Calcimimetics.
 Abbott – Vitamin D analogs.
 Genzyme – Renagel.
 LEO – Vitamin D analogs and Calcimimetics

Membership of Scientific Societies:

International Society of Nephrology.
 American Society of Nephrology.
 American Physiological Society
 National Kidney Foundation
 Danish Society of Nephrology.
 ERA-EDTA - European Dialysis Transplant Association
 International Pediatric Nephrology Association.
 European Society of Kidney Research.
 American Society of Bone and Mineral Research.
 Danish Society of Transplantation.
 American Society of Physiology

Reviewer for:

Acta Endocrinologica.
 Eur. J. Endocrinology.
 J. Clin. Invest. (JCI)
 Calcified Tissue Int.
 Eur. J. Clin. Invest.
 Scand. J. Clin. Lab. Invest. (SJCLI)
 Hormone and Metabolic Research.
 Nephrology, Dialysis, Transplantation (NDT)
 Acta Obstetrica et Gynecologica Scandinavica.
 Clinical Science.
 J. Bone and Mineral Research. (JBMR)
 Kidney International. (KI)
 J. Am. Soc. Nephrology. (JASN)
 Am. J. Kidney Disease. (AJKD)
 Am. J. Nephrology. (AJN)

Am. J. Physiol. (AJP)
PLOS ONE
Transpl. Int.
Transplantation
Ugeskr. f. Læger.
Eur. J. Endocrinol.
The Lancet.
New Engl J Med
Chem BioChem.
Nature Reviews Nephrology
Abstracts - Amer. Soc. Nephrol.
Abstracts - Int. Soc. Nephrol.
Abstracts - World Congress of Nephrology
Abstracts – ERA-EDTA.
and other

Member of Editorial Boards:

Calcified Tissue International.
Acta Endocrinologica.
Amer. J. Kidney Disease.
Nephrology, Dialysis, Transplantation.
J. Am. Soc. Nephrology.
Portugese J. Nephrology Hypertension.
Kidney International -
Subject editor: Nephrology, Dialysis, Transplantation, 1999 - 2011

Scientific Organisation:

Co-organizer of the 6. Nordic Kidney Transplantation Meeting, Copenhagen, June 1972.
Co-organizer of the 12. EDTA (Europæisk Dialyse og Transplantations Association) Congress, Copenhagen, August 1975.
Co-organizer of Symposium: "Renal Bone Disease, Parathyroid Hormone and Vitamin D" in: Singapore, July 1990.
Sevilla, Spain, July 1995.
Foz Do Iguacu, Brasil, May 1999.
Co-organizer of the Nordic Kidney days, Aalborg 1991.
Co-organizer of the Scandinavian Transplantation Congress 1993.
Secretary of the Danish Society of Nephrology 1977-1979.
Member of the Council of the Danish Medical Society 1977-1979.
Chairman for Danish Society for Bone and Mineral Research 1983-1986.
Member of the Danish National Institute of Health's Committee for Pancreas transplantation 1987-1989.
Member of Rigshospitalet's Transplantation Committee 1988-1993, 2003-
Member of the Council for the Danish Society of Nephrology 1989-1995.
Chairman for Danish Society of Nephrology 1991-1995.
Chairman for Nordic Society of Nephrology 1991-1993.
Member of the Council for Danish Society of Transplantation 1995 – 2003.
Chairman for Danish Society of Transplantation 1997-2000.
Member of the Board for Scandia-Transplant 1992-2001.
Chairman for the Scientific Committee for evaluation of Candidates for a Professorship in Cardiology 1997.
Member of the Faculty Council, School of Medicine, University of Copenhagen, 1997-2001.

Member of the Council for the Association of the Professors at Rigshospitalet 1997-2004.
Chairman for the Association of the Professors at Rigshospitalet 2000-2004.
Member of Science Council at Rigshospitalet 1998-2004.
President for the EDTA/ERA (European Renal Association) Congress i Copenhagen
July 2002 – No of participants: 5500.
Member of Council of EDTA/ERA 2002 – 2005.
Member of the Scientific Committee for ERA/EDTA Congress, 2002, 2004, 2005, 2008, 2011.
Member of the Research Council at the Medical School, University of Copenhagen 2003 – 2009
Member of the executive committee of the Research Council at the Medical School, University of Copenhagen, 2007 - 2009
Member of the Board of Directors for the "Experimental Animal Campus" at the Medical School, University of Copenhagen, 2004 –
Member of for the scientific committee for evaluation of candidates for a professorship in Neurology 2004, 2006.
Member for the scientific committee for evaluation of candidates for a professorship in Oncology 2004, 2006.
Chairman for the scientific committee for evaluation of candidates for a professorship in Clinical Immunology 2006.
Member of National Kidney Foundations Steering Group on Global Guidelines on Bone and Mineral metabolism 2002 - 2006
Member of KDIGO's Steering Group 2004- 2006
Member of KIM (the Board of the Institute of Surgery and Medicine) at University of Copenhagen, 2007 -
Member of International Society of Nephrology (ISN)s Core Committee on Bone and the Kidney 2005 – 2008
Member of the ISN – NEXUS Core Scientific Committee 2008 – 2016
Member of "Akademisk Råd", Sundhedsvidenskabeligt Fakultet, KU 2009 - 2013
Member of ERBP (European Renal Best Practice) Advisory Board on transplantation 2009 – 2010.
Member of ERBP Advisory Board on KDIGO CKD-MBD 2009 – 2014
Nominator and initiator for a clinical professorship in "Chronic Kidney Disease and Metabolic Disorders" at University of Copenhagen and Nephrological Department P, Rigshospitalet, 2009 to Dr. Bo Feldt-Rasmussen.
Nominator for an "adjunct professorship" in Endocrinology at University of Copenhagen, 2009
Member of the evaluation Committee for the Professorship in Endocrinology at the University of Copenhagen, 2010.
Member of the Scientific Committee for the World Congress of Nephrology, Vancouver, 2011
Member of the Scientific Committee for the ERA-EDTA Congress in Paris, 2011
Chairman for the ISN Scientific Organizing Committee for the NEXUS meeting on "Bone and the Kidney" in Copenhagen, September, 2012
Chairman for the scientific group at University of Copenhagen evaluating Dr. Peter Rossing for Adjunct Professor at the University, 2012.
Member of the scientific advicers evaluating the candidates for the position as Chairman for the Institute of Clinical Medicine at University of Copenhagen, 2012.
Chairman for the scientific group at University of Copenhagen evaluating Dr. Ole Dragsbæk Madsen for Adjunct Professor at the University, 2012.
Evaluator of the applicants to a position as Consultant in Pediatric Nephrology, RH.
Nominator for a 5 year prolongation of the clinical professorship in "Chronic Kidney Disease and Metabolic Disorders" at University of Copenhagen and Nephrological Department P, Rigshospitalet, to Dr. Bo Feldt-Rasmussen 2014.
Nominator and initiator for a clinical professorship in "Transplantation Medicine " at University

of Copenhagen and Nephrological Department P, Rigshospitalet, to Dr. Søren Schwartz Sørensen 2014.

Chairman for the scientific group evaluating Dr. Klaus Brasso for Clinical Professor of Urology with special focus on Clinical and Epidemiological Aspects of Prostate at the University of Copenhagen, 2015

Member of Council for the International Society of Nephrology (ISN) 2013-2019

Medical Textbooks:

Ølgaard, K., Madsen, S. og Transbøl, I.: Calciummetaboliske sygdomme. Medicinsk Kompendium, 13. ed., p 1984-2049, 1986.

Ølgaard, K.: Forstyrrelser i magnesiumstofskiftet. Medicinsk Kompendium, 13. ed., p. 1760-1763, 1986.

Editor on the National Kidney Foundations KDIGO Primer: "Clinical Guide to Bone and Mineral Metabolism in CKD", 2006. (15.000 copies).

Editor on : "The Spectrum of Mineral and Bone Disorder in Chronic Kidney Disease", Oxford University Press, Second Edition, 616 pages, June, 2010

Guidelines:

1. Berthoux F, Abramowicz D, Bradley B, Ekberg H, Frei U, Morales J, **Ølgaard K**, Paul L & Ponticelli C.: European best practice guidelines for renal transplantation (Part 1).

Nephrol Dial Transplant 15 (Suppl. 7): 1-85, 2000.

2. Berthoux F, Abramowicz D, Bradley B, Ekberg H, Frei U, Morales J, **Ølgaard K**, Paul L, Ponticelli: European Best Practice Guidelines for Renal Transplantation (Part 2). **Nephrol Dial Transplant** 17, suppl. 4:1-67, 2002.

3. Cannata-Andia J, Coen G, Cunningham J, London G & **Ølgaard K**: K/DOQI Clinical Practice Guidelines for Bone Metabolism and Disease in Chronic Kidney Disease - Comments: **NDT** p1-43, 2003

4. Daugaard H, Heaf J, Joffe P, Lewin E, Madsen S, Rix M & **Ølgaard K**: Forstyrrelser i knogle-og mineralomsætningen ved kronisk nyresygdom - Guidelines for diagnostik og behandling. Dansk Nefrologisk Selskab, p 1-56, 2005.

5. Moe S, Drueke T, Cunningham J, Goodman W, Martin K, **Ølgaard K**, Ott S, Sprague S, Lameire N, Eknoyan G: Definition, evaluation, and classification of renal osteodystrophy: A position statement from Kidney Disease: Improving Global Outcomes (KDIGO)

Kidney Int. 69:1945-1953, 2006

6. Goldsmith DJA, Covic A, Fouque D, Locatelli F, **Ølgaard K**, Rodriguez M, Spasovski G, Urena P, Zoccali C, London GM, Vanholder R: Endorsement of the Kidney Disease Improving Global Outcomes (KDIGO) Chronic Kidney Disease - Mineral and Bone Disorder (CKD-MBD) Guidelines: a European Renal Best Practice (ERBP) commentary statement.

Nephrol Dial Transplant, 25: 3823-3831, 2010

7. Brandi L, Daugaard H, Heaf J, Jespersen B, Lewin E, Marckman P, Rix M & **Ølgaard K**: Danske guidelines for diagnostik og behandling af forstyrrelser i knogle-og mineral omsætningen ved kronisk nyresygdom (CKD - MBD) - 2011.

Dansk Nefrologisk Selskab, p 1-26, 2011.

8. KDIGO Guidelines: KDIGO Controversies Conference on CKD-MBD, Madrid 2013. ..

Other publications:

Obituaries for Prof. Jørn Hess Thaysen in *NDT*, *Kidney Int* and *Ugeskr. Laeger*

Obituary for Prof. Jørgen Ladefoged in *Ugeskr. Laeger*

Obituaries for Prof. Claus Brun in *NDT*, *Kidney Int* and *Ugeskr. Laeger* (2015)