

PART VII: PAPERS PUBLISHED IN 2002, AND PAPERS PUBLISHED BUT NOT PREVIOUSLY LISTED UP TO THE END OF 2001

The pace of publication has slackened somewhat during the past year or two, as the study of the history of Nephrology becomes established and the main lines of information and thought have been laid out. However much remains to be done, and few archives of original material have been accessed and analysed. As before, any addition or corrections would be gratefully received by:

jstewart.cameron2@btopenworld.com

PAPERS PUBLISHED DURING 2002

General history of nephrology

Timio, M. Archivi storici della nephrologia Italiana: Cerretani e ciarlatani: ovvero alcune pagine buie della storia della medicina e della nefrologia (Cerretani and charalantans: a dubious episode in the history of medicine and of nephrology). *Giorn Ital Nephrol* 2002; 19: 55-9.

Timio, M. Il ruolo della donna nella storia della Medicina e della Nefrologia (The role of women in the history of medicine and nephrology). *Giorn Ital Nephrol* 2002; 19: 451-455.

-Timio's selection of women for inclusion seems odd – in the modern period neither Renée Habib nor Marilyn Farquar, for example, are mentioned

Timio M. Archivi storici della Nefrologia Italiana: la storia della strumentazione in Nefrologia Parte I: Base theoretiche (The story of instrumentation in Nephrology. Part I: theoretica I basis). *Giorn Ital Nephrol* 2002; 19: 571-574.

Richet, G. Début de la biologie quantitative en néphrologie clinique (1897-1910). L'insuffisance rénale, mesurée, entre en médecine scientifique (The beginnings of quantitative biology in clinical nephrology 1897-1910. The measurement of renal failure enters scientific medicine). *Médecine et Sciences* 2002; 18: 760-763.

- the work of Castaigne, Ambard and Widal with their colleagues in Paris at the turn of the century re-introduced chemistry into clinical nephrology after an eclipse of 50 years whilst histology and pathology were dominant

Eknoyan G, de Santo N, Shasha S, Bellinghieri G, Savica V, Massry SG. On the continued reconstruction of the history of nephrology. *Am J Nephrol* 2002; 22: 97-98.

- the introduction to the volume " History of Nephrology IV". Karger, Basel 2002, being reprints of the historical articles which from the 3rd meeting of the International Society of for the History of Nephrology (IAHN) in Taormina in 2001, which were published in the American Journal of Nephrology. These individual articles are listed separately here, as with those from previous volumes in this series from 1999, 1997 and 1994, at which first meeting the Society was formed (see Sections III, IV and V of this Bibliography).

Diamandopoulos A, Goudas P. The role of the kidney as a religious, cultural and sexual symbol. Am J Nephrol 2002; 22: 107-111.

De Broe ME, de Broe L. Nephrology in the Low Countries in the 17-18th century. Am J Nephrol 2002; 22: 202-206.

Sereni F. Pediatric nephrology in Europe from the 16th to the 19th century. Am J Nephrol 2002; 22: 207-212.

- although Cornelius of Mecheln lies outside Sereni's timescale (ca 1350), it is surprising that Sereni does not mention Zwinger's Poediatrica Practica of 1722, with its extraordinary insights into childhood nephrosis

Richet G. Nephrolithiasis at the turn of the 18th to 19th centuries: biochemical disturbances. Am J Nephrol 2002; 22: 254-259.

Rybusp-Potepa E, Marczewski K. The nephrological issues raised during the clinical sessions in the Old Order (Jewish) hospital of Warsaw. Nephrol Dial Transplant; 17: 2084-2086.

Eknoyan G. Rufus of Ephesus and his "diseases of the kindeys". Nephron 2002; 91 : 383-390.

- gives the text of Rufus' description of kidney disease " peri sklerias nephron" which was copied by many subsequent authors (often without acknowledgment) up to William of Salicet in the thirteenth century. Rufus' reputation has been almost occluded by the loss of most of his manuscripts (they survive only in Oribasius' writings) and the huge reputation of Galen who lived shortly afterwards.

Mainly Biographical studies

[Bergstrom J, Lysaght M, Cheung AE. The career of Lee W Henderson. J Am Soc Nephrol 2002; 13: s1-s2.]

Fine R, Alexander S, Harmon W. A tribute to Amir Tejani M.D. Pediatr Nephrol 2002; 17: 466-467.

Donckerwolcke RAMG. Harman A Tiddens (1923-2002). *Pediatr Nephrol* 2002; 17: 306.

Lindholm B, Alvestrand A. Jonas Bergström (1929-2001). *Nephrol Dialysis Transplant* 2002; 17: 936-938.

Richmond, C. Sir Douglas Black (1913-2002). Professor of medicine whose famous report on inequality and health fell foul of the Thatcher government. *Br Med J* 2002; 325: 661-662.

- *and whose pioneering work during the second world war on electrolyte metabolism and exchange was ground-breaking*

Anonymous. Domenico Mancino. *Am J Nephrol* 2002; 22: 99.

Anonymous. Vincenzo Mezzogiorno (1926-2001). *Am J Nephrol* 2002; 22: 100.

Cameron JS. Sir Robert Christison (1797-1882): a neglected founder of nephrology. *Br J Renal Med* 2002-3; 7: 10-11.

- *Christison was the first to postulate that the cause of the uraemic state might be the accumulation of substances including urea, and to describe renal anaemia*

Anonymous. 2002 Albert Lasker award for clinical medical research. *J Am Soc Nephrol* 2002; 13: 3027-3030.

- *awarded jointly to Pim Kolff and Belding Scribner for their work on making long-term haemodialysis treatment possible for more than 1 million people worldwide*

Nephrology in the ancient world

Geller MJ. Hippocrates, Galen and the Jews: renal medicine in the Talmud. *Am J Nephrol* 2002; 22: 101-106.

Dvorjetski E. The history of nephrology in the Talmudic corpus. *Am J Nephrol* 2002; 22: 119-129.

Touwaide A. Pseudo-Galen's *De Urinis*: a multi-factorial technique of diagnosis and a cultural interpretation of color. *Am J Nephrol* 2002; 22: 130-135.

Eftychiadis, AC. Renal and glomerular circulation according to Oribasius (4th century). *Am J Nephrol* 2002; 22: 136-138.

- Oribasius postulated that urine was formed from the serum of the blood in "renal bodies" re-described a millenium later by Malpighi

Diamandopoulos A, Skarpelos A. Ancient Greek and Byzantine writers on veterinary problems. *Am J Nephrol* 2002; 22: 139-145.

Poulakou-Rebelakou E, Marketos SG. Renal terminology from the *Corpus Hippocraticum*. *Am J Nephrol* 2002; 22: 146-151.

Nephrology in the middle ages

Ziegler J. The mediaeval kidney. *Am J Nephrol* 2002; 22: 152-159.

Iorio L, Avagliano F. Contributions of monastic medicine: from Hippocratic school to Salernitan medical school. *Am J Nephrol* 2002; 160-163.

De Santo NG, Bisaccia C, de Santo RM. The pre-Vesalian kidney: Gabriele Zerbi (1445-1505). *Am J Nephrol* 2002; 22: 164-171.

Lev E, Dolev E. The use of natural substances in the treatment of renal stones and other urinary disorders in the medieval Levant. *Am J Nephrol* 2002; 22: 172-179.

Renal structure and function (anatomy and physiology)

Kinne-Saffran E, Kinne RKH. Herbal diuretics revisited: from "wise woman" to William Withering. *Am J Nephrol* 2002; 22: 112-118

Purkerson ML, Klahr S. Renal physiology between two wars: the contributions of Dr Harvey Lester White. *Am J Nephrol* 2002; 22: 180-185.

Giebisch G. the scientific achievements of R.F. Pitts and V. du Vigneaud. *Am J Nephrol* 2002; 22: 186-191.

Seldin DW. Scientific achievements of John P Peters. *Am J Nephrol* 2002; 192-196.

Mezzogiorno A, Mezzogiorno V, Esposito V. History of the nephron. *Am J Nephrol* 2002; 22: 213-219.

Uroscopy and urinalysis

Connor H. Mediaeval uroscopy and its representation in misericords. II. Clin Med 2002; 2: 75-77.

Fogazzi GB, Testanera G. The farsighted studies of the Italian Carlo Rovida (1844-1877) on the nature of urinary casts. Am J Nephrol 2002; 22: 300-308.

Parenchymatous renal disease

Toussaint, C. Contribution of Paul Govaerts (1889-1960) to the understanding of oedema and proteinuria. Nephrol Dialysis Transplant 2002; 17: 1391-1395.

- *the role of Govaerts in Nephrology as a whole has been neglected and he has been generally forgotten, although quoted even in the Anglo-Saxon world at the time*

Timio M., Capodicasa E. Ippolito Albertini and Michael Albertus: disparate old and innovative theories on dropsy and edema. Am J Nephrol 2002; 22: 220-224.

Eknoyan G. Emergence of the concept of acute renal failure. Am J Nephrol 2002; 22: 225-230.

- *which was well before the "crush syndrome" and the second world war*

Cameron JS, Hicks JA. The origins and development of the concept of a "nephrotic syndrome". Am J Nephrol 2002; 22: 240-247.

Glasscock RJ. The emergence of the discipline of renal immunopathology. Am J Nephrol 2002; 22: 248-253.

- *a useful contribution in an area neglected hitherto in both the immunological and nephrological literature*

Nenov VD, Nenov DS. Balkan nephropathy: a disorder of renal embryogenesis ? Am J Nephrol 2002; 22: 260-265.

Anonymous (S. Moss). Blue coffin-shaped tablets. Semin Dial 2002; 15: 206

- *which contained mercuric chloride*

Wolf G. Friedrich Theodor von Frerichs (1819-1885) and Bright's disease. Amer J Nephrol 2002; 22: 596-602.

Antonello A, Rippa Bonati M, D'Angelo A, Gambaro G, Calò L, Bonfante L. Gotta e rene tra XVII e XIX secolo (Gout and the kidney from the 17th to the 19th century). Reumatismo 2002; 54: 165-171

Yoshida H, Ichikawa I. [History of Nephrology in the past 100 years: significance of hyperfiltration theory in nephrology]. *Nippon Naika Gakkai Zasshi – Journal of the Japanese Society of Internal Medicine*. 2002; 91: 1405-1408 (in Japanese).

Uraemia

George CRP. Development of the idea of chronic renal failure. *Am J Nephrol* 2002; 22: 231-239.

Kopple JD. History of dietary protein therapy for the treatment of chronic renal disease from the mid 1800s until the 1950s. *Am J Nephrol* 2002; 22: 278-283.

- deals with the American contribution and largely ignores the European background

Hypertension

Widimsky J. Nketere aspekty historie lecby esencialni hypertenze. I Cast. (History of the treatment of essential hypertension. Part I). *Vnitřní Lekarství* 2002; 48: 62-70; Part II *ibid* 161-170.

Dialysis

Cameron JS. *A history of the treatment of renal failure by dialysis*. Oxford University Press, Oxford, 2002.

- the most comprehensive history of haemodialysis and peritoneal dialysis available today

Heiney P. *The nuts and bolts of life. Willem Kolff and the invention of the kidney machine*. Sutton Publishing, Stroud, Glos., 2002.

- a fascinating, racy biography of the greatest innovator in the field of dialysis, written with the full co-operation of Kolff and his family.

Fellner SK, Purkerson ML. Gordon Murray: heparin, hemodialysis and hubris. *Am J Nephrol* 2002; 22: 271-277.

- another sometimes sad account of Canada's mercurial and flawed pioneer of dialysis

Nolph KD. 1975 to 1984 – an important decade for peritoneal dialysis: memories with personal anecdotes. *Perit Dial Int* 2002; 22: 608-613.

Kawaguchi Y. [Progress in the therapy of chronic renal failure in Japan: dialysis and renal transplantation]. Nippon Naika Gakkai Zashi – Journal of the Japanese Society of Internal Medicine. 2002; 91: 1460-1470. (in Japanese).

Kolff WJ. Lasker Clinical Medical Research Award. The artificial kidney and its effect on the development of other artificial organs. Nature Medicine 2002; 8: 1063-1065.

Scribner BH. Lasker Clinical Medical Research Award. The old is new. Nature Medicine 2002; 8: 1066-1067.

- Kolff and Scribner were jointly awarded the Lasker award for 2002

Transplantation

Barry JM. Successful homotransplantation of the human kidney between identical twins. J Urol 2002; 167: 830.

Margrieter R. Transplantation: how it all began. Wiener Klin Wochenschr 2002; 114: 123-125.

Ullmann E. Experimentelle Nierentransplantation 1902. Wiener Klin Wochenschr 2002; 114: 126-127

Druml W. The beginning of organ transplantation: Emerich Ullmann (1861-1937). Wien Klin Wochenschr 2002; 114: 128-137.

- *the most extensive and detailed articles so far on the life and achievements of the man who first performed a vascularised kidney transplant, with the text of his original article; these papers celebrate the 100th anniversary of the event. See also the paper of Tork listed below, and those of Lesky and Lagardier from 1974, previously listed under that year, and:*

Lacombe M. La transplantation rénale, une épopée centenaire. Annales de Chirurgie 2002; 127: 542-548.

Miscellaneous

Strauss, RM, Marzo-Ortega, H. Michaelangelo and medicine. J Roy Soc Med 2002; 95: 514-515.

- *contains further discussion of the “kidney-shaped” designs in the Sistine chapel, discussed by Eknoyan previously.*

Massry SG, Smogorzewski M. The hunger disease of the Warsaw ghetto. *Am J Nephrol* 2002; 22: 197-201.

Bellighieri G, Santoro D, Mallmace A, Ioli A, LoGiudice L, Venniro G, Savica V. The discovery of nephrouroameba: was it real or not ? *Am J Nephrol* 2002; 22: 266-270.

- *probably not*

Barsoum N, Kleeman C. Now and then, the history of parenteral fluid administration. *Am J Nephrol* 2002; 22: 284-189.

- *includes a brief history of blood transfusion also*

Antonello A, Bonfante L, Favaro S, Gambaro G, D'Angelo A, Mennella G. Hermann Boerhaave and lithotomy: what he thought about it. *Am J Nephrol* 2002; 22: 290-294.

Hierholzer K, Hierholzer J. The discovery of renal contrast media in Berlin. *Am J Nephrol* 2002; 22: 295-299.

- *the most recent of a number of papers - already listed - about the work of Swick in Berlin*

Anonymous (S. Moss). The giant kidney worm. *Semin Dial* 2002; 15: 120.

PAPERS PUBLISHED UP TO THE END OF 2001, BUT NOT PREVIOUSLY LISTED

General history of Nephrology

Poulakou-Rebelakou E, Rabelakos AG, Marketos SG. Urologic references in the Homeric epics. In: *De historia Urologiae Europaeae*. P. 249-257. Kortrijk: Historial Committee of the European Association of Urology, 1998.

Biographical studies

Nephrology in the ancient world

Nephrology in the mediaeval world

Renal structure and function (anatomy and physiology)

Urinalysis and uroscopy

Parenchymatous renal diseases

Blythe WB. Hemlock poisoning, acute renal failure, and the Bible. *Renal Failure* 1993; 15: 653.

- *in the book of Numbers in the Bible is a description of possible rhabdomyolysis after eating quail which had fed on hemlock seeds, before flying to the islands where they were shot and eaten. Blythe's comments are about a paper (Renal Failure 15: 93-6) describing hemlock poisoning.*

Takayasu H. Acute renal failure: its concept and historical observation. *Saishin Igaku* 5: 257-261 [in Japanese]

Butkus DE. Post-traumatic acute renal failure in combat casualties. A historical review. *Milt Med* 1984; 149: 117-124.

- *outlines the extensive role played by the US military in the development of dialysis for acute renal failure during the 1950s and 1960s, prompted by experiences of the Korean War*

Hypertension

Nilsson P, Werko L. Svensk hypertoniforskning (Swedish research in hypertension). *Svenska Medicinhistorisk Tidskrift* 2001; 5: 15-28.

Uraemia

Dialysis

Wigger W. Alvalls konstgjorda njure den första som användes i Tyskland (Nils Alwall's artificial kidney - the first to be used in Germany). *Läkartidningen* 2001; 98: 5929.

- *in December 1950 Carl Moeller in Hamburg used an Alwall-type kidney which he built himself for the first haemodialyses in Germany*

Schloerb PR. Intestinal dialysis for kidney failure. Personal experience. *ASAIO Transactions* 1990; 36: 4-7.

Transplantation

Tork B. Egy elfelejtett magyar tudos, Dr Ullmann Imre (1861-1937) (A forgotten Hungarian scientist, Dr Imre Ullmann (1861-1937)). *Orvosi Hetilap* 1974; 115: 2069-2071

- *Ullmann was born in Pecs in South Hungary, and "Imre" was Austrianised to "Emmerich" when he moved to Vienna. See Druml above, and Nagy in section VI.*

Miscellaneous

Benjamin JA, Schullian DM. Observations on fused kidneys with horseshoe configuration: the contribution of Leonardo Botallo. *J Hist Med* 1950; 5: 215-26.

Gutierrez R. *The clinical management of horseshoe kidney*. Hoeber PB, New York, 1934.

- *this contains an extensive section on the history of horseshoe kidney*