

Part IV: 1997-1999

In only three years another 235 papers were published – the pace of publication continued to accelerate, fuelled particularly by the formation (1996) and meetings (1996 and 1998) of the International Association for the History of Nephrology

General history of nephrology

Eknoyan G, Marketos SG, de Santo NG, Massry SG (eds). *History of Nephrology 2*. Karger, Basel 1997. (Reports from the first congress of the International Association for the History of Nephrology, Island of Kos, Greece, October 14-16 1996. (reprinted from American Journal of Nephrology 1997; 17; nos 3-4 1997).

- individual papers from this meeting are indexed separately here in their appropriate sections.

Eknoyan G, Marketos SG, de Santo NG, Massry SG. On the order of things in the history of nephrology. *Am J Nephrol* 17: 201-202.

Antonello A, Bonfante L, Bordin V, Calò L, Favaro S, Rippa-Bonati M, D'Angelo A. The bursa of Fabrici d'Aquapendente: past and present of an anatomical structure. *Am J Nephrol* 1997; 17: 248-251.

Rosenblum A. A 100-year trip back through time: common methods of treatment for kidney disease during the 1890s. *Dial Transplant* 1997; May : 326-345 (passim: discontinuous paging).

Watschinger B, Watschinger B. The start of clinical nephrology in Austria and developments in the treatment of patients with end stage renal disease over the last decades. *Wien Klin Woch* 1997; 109: 499-503.

Ikels C. Kidney failure and renal transplantation in China. *Social Sci Med* 1997; 44: 1271-1283.

Kennedy TF Jr, James A. Shannon and the beginnings of the laboratory of kidney and electrolyte metabolism of the National Institutes of Health. *Kidney Int* 1999; 55: 326-333.

Purkerson ML, Vekerdy L. History of women in nephrology (1918 to 1960). *Semin Nephrol* 1999; 89-94.

Eknoyan G, Antonello A, De Santo NG, Calò L, Massry SG. (eds) *History of nephrology 3*. Reports from the second congress of the International Association for the History of Nephrology, Padova Italy October 4-7 1998. Karger, Basel, 1999.

- the individual papers from this meeting are listed separately here in their appropriate sections

Eknoyan G, Antonello A, De Santo NG, Calò L, Massry SG. On progress in the history of nephrology. *Am J Nephrol* 1999; 99-100.

Bonomini V, Campieri C, Zuccoli M. The academy of science in Bologna and the kidney. *Am J Nephrol* 1999; 19: 177-181.

Bonfante L, Calò L, D'Angelo A, Favaro S, Abbaterusso C, Mennella G, Normanno M, Spinello M, Antonello A. Water and its effects when drunk cold. The physician's view (1576-1751). *Am J Nephrol* 1999; 19: 182-184.

Masry SG, Smogorzewski M, Hazani E, Shasha SM. Jewish medicine and the university of Padua: contribution to the Padua graduate Tovia Cohen to nephrology. *Am J Nephrol* 1999; 19: 213-221.

Schreiner GE. Evolution of nephrology. The caldron of its organizations. *Am J Nephrol* 1999; 19: 295-303.

- *deals almost entirely with north American organisations; the history of nephrology associations in the rest of the world awaits treatment*

Aliotta G, de Angelis G, de Santo NG, Sepe J, Stingo V. The history of science: defending epistemology with new technologies. *Am J Nephrol* 1999; 19: 340-342.

Richet G. Sciences naturelles et introduction de la chimie physique en néphrologie (Natural science and the introduction of physical chemistry into nephrology). *Néphrologie* 1999; 20: 171-174.

- *discusses principally the introduction of measurements of osmolarity into nephrology*

Biographical studies

Kronschwitz C. *Franz Volhard. Leben und Werk*. Sinemis Verlag, Frankfurt, 1997.

- *a major work on one of the great figures of Nephrology.*

Nagy J, Sonkodi S. Richard Bright in Hungary: a reevaluation. *Am J Nephrol* 1997; 17: 387-391.

Nomura S. [Dr Alport and London]. *Nippon Jinzo Gakkai Shi* 1998; 40: 235-239 (in Japanese).

Wizemann V, Ritz E. Georg Haas: a forgotten pioneer of haemodialysis. *Nephrology* 1998; 4: 229-234.

- Rother K. In memoriam Hans Sarre. *Nephrol Dial Transplant* 1997; 12: 231.
- Olgaard K. Jørn Hess Thaysen , M.D., Dr. Med. , 1921-1996. *Nephrol Dial Transplant* 1997; 12: 616-517.
- Cameron JS. Arthur Arnold Osman (1893-1972): a forgotten pioneer of nephrology. *Nephrol Dial Transplant* 1997; 12: 156-1530.
- *Osman was one of the first users of the word nephrology (1945) and a founder of the UK Renal Association in 1950*
- Klinkmann H. In memoriam Tore Lindholm. *Nephrol Dial Transplant* 1997; 12: 2026.
- [Pattison J, Sacks S. Festschrift for Professor Stewart Cameron. *Nephrol Dial Transplant* 1997; 12: 196-1297; Ogg CS. Stewart Cameron. Laudatio. *Ibid* 1298]
- Gottschalk CW. Thomas Graham 1805-1869. *Nephrology* 1998; 4: 211-216.
- Blythe WB. In memoriam Carl William Gottschalk (1922-1997). *Kidney Int* 1998; 53: 1-2.
- Thurau K. In memoriam: Carl William Gottschalk MD 1922-1997. *Am J Kidney Dis* 1998; 31: xlvi-xlvii.
- Müller A. Adalbert Bohle (1922-1998). *Nephrol Dial Transplant* 1998; 13: 2409-2410.
- Rom◊o JE. In memoriam. Tito Ribeiro de Almeida 1913-1998. *J Bras Nefrol* 1998; 20: 131-132.
- Ribeiro de Almeida made a Murray-type kidney in 1949 and performed the first haemodialyses in Latin America*
- Richet G. François Reubi (1917-1997). *Nephrol Dial Transplant* 1998; 13: 807
- Koch K-M. Professor R Pichlmayr. *Nephrol Dial Transplant* 1998; 13: 1306-1307.
- [Kokot F, Heidland A. Professor Tadeuz Orłowski, 80 years. *Nephrol Dial Transplant* 1998; 13: 1308.]
- [Morris PJ. Molly McGeown and renal transplantation. *Nephrol Dial Transplant* 1998; 13: 1388-1890.]
- [Jacobs C “Bon anniversaire” for Marcel Legrain. *Nephrol Dial Transplant* 1998; 13: 2699-2700.]

De Plaen JF, Devuyt O, Gogffin E, Jadoul M, Pirson Y. Professor Charles van Ypersele de Strihou. *Nephrol Dial Transplant* 1998; 13: 2411-2413]

Nabokov AV, Nevorotin AJ. Dr N.S. Korotkov: the low pitch sounds that stand high. *Nephrol Dial Transplant* 1998; 13: 1041-1043.

- *a valuable contribution on the Russian surgeon whose background was until recently unknown outside Russia*

Inagami T. A memorial to Robert Tiegerstedt (sic): the centennial of renin discovery. *Hypertension* 1998; 32: 953-957.

Stone MT. Henry Bence Jones and his protein. *J Med Biograph* 1998; 6: 53-57.

Legrain M. Maurice Dérot (1901 - 1985) a French pioneer of nephrology. *Nephrol Dial Transplant* 1999; 14: 233-235

- *Dérot's contributions to nephrology, especially in France, during the 1940s and 1950s have been neglected*

Andreoli TE. Presentation of the 1999 AN Richards award to Isidore S Edelman. *Kidney Int* 1999; 56: 1980-1984.

Andres GB. Memoria in onore del professor Ernico Fiaschi (1913-1989) (In memory of professor Ernico Fiaschi (1913-1089)). *Giorn Ital Nefrol* 1999; 16: 73-78.

- *Ernico Fiaschi was, amongst other contributions, an early pioneer of needle renal biopsy*

Anonymous (Cambi V). Intervista al Professore Luigi Migone, uno dei padri della nefrologia italiana. *Giorn Ital Nefrol* 1999; ... : 446- ...

- *this article is based on the transcript of one of the "Video legacy" interviews of the Commission for the History of Nephrology of the ISN*

[Klinkmann H. Non quisquam melior medius, quam fidus amicus (There is no better physician than a true friend- Cato). *Artif Org* 1999; 23: 2-4, 1999

- *an appreciation of Peter Ivanovich*

Antonello A, Calò L, Bonfante L, Mennella G, Abaterusso C, Spinello M, Favaro S, D'Angelo A. Giovan Battista Morgagni, a pioneer of clinical nephrology. *Am J Nephrol* 1999; 19: 222-225.

Diamandopoulos AA, Goudas CP. Nephrology, a newly rich speciality, is looking for an illustrious ancestry. What about a famous grandfather? *Am J Nephrol* 1999; 20: 163-165.

- *the person in question is Sanctorius (see Eknoyan 1999 below)*

Eknoyan G. Santorio Sanctorius (1561-1636) – founding father of metabolic balance studies. *Am J Nephrol* 1999; 19: 19: 226-233.

Cameron JS. Carl Gottschalk- physiologist, bibliophile and historian of nephrology. *Am J Nephrol* 1999; 19: 235-242.

Better OS. Josip Trueta (1897-1977): military surgeon and pioneer investigator of acute renal failure. *Am J Nephrol* 1999; 19: 343-345.

Burg MB. Carl W. Gottschalk 1922-1997. *Nat Acad Sci Biographical Memoirs* 1999; 7: 1-21.

McKellar S. Gordon Murray and the artificial kidney in Canada. *Nephrol Dial Transplant* 1999; 14: 2766-2700.

- *a welcome treatment of a much neglected pioneer of dialysis*

Nephrology in the ancient world

Marketos SG. The parallels between Asclepian and Hippocratic medicine on the island of Kos. *Am J Nephrol* 1997; 17: 205-208.

Poulakou-Rebelakou E. Arataeus on the kidney and urinary tract diseases. *Am J Nephrol* 1997; 17: 209-213.

Dardioti V, Angelopoulos N, Hadjicontsantinou V. Renal disease in the Hippocratic era. *Am J Nephrol* 1997; 17: 214-216.

Eftychiadis AC. Diseases of the Byzantine world with special emphasis on the nephropathies. *Am J Nephrol* 1997; 17: 217-221.

Massry SG, Smogorzewski M, Hazani E, Shasha SM. Influence of Judaism and Jewish physicians on Greek and Byzantine medicine and their contributions to nephrology. *Am J Nephrol* 1997; 17: 233-240.

Touwaide A, Pollio A, Aliotta G, Piomelli D, de Santo NG. Medicinal plants for the treatment of urogenital tract disorders in Dioscorides' *Materia medica*. *Am J Nephrol* 1997; 17: 241-247.

Diamandopoulos A. Twelve centuries of nephrological writings in the Graeco-Roman world of the Eastern Mediterranean (from Hippocrates to Aetius Amidanus). *Nephrol Dial Transplant* 1999; 14 (suppl 2): 2-9.

Maio G. The metaphorical and mythical uses of the kidney in antiquity. *Am J Nephrol* 1999; 19: 3-8.

Eftychiadis AC, Marketos SG. Saint Marina: the protectress of nephrology. *Am J Nephrol* 1999; 19: 107-110.

Diamandopoulos AA. Exorcisms used for treatment of urinary tract diseases in Greece, during the middle ages and renaissance. *Am J Nephrol* 1999; 19: 114-124.

Mujais S. The future of the realm: medicine and divination in ancient Syro-Mesopotamia. *Am J Nephrol* 1999; 19: 133-139.

Salem ME, Eknayan G. The kidney in ancient Egyptian medicine: where does it stand? *Am J Nephrol* 1999; 19: 140-147.

Peña JC. Pre-Columbian medicine and the kidney. *Am J Nephrol* 1999; 19: 148-154.

Touwaide A, De Santo NG. Edema in the *Corpus Hippocraticum*. *Am J Nephrol* 1999; 19: 155-158.

Poulakou-Rebelakou E, Marketos SG. Kidney disease in Byzantine medical texts. *Am J Nephrol* 1999; 19: 172-176.

Iorio L, Avagliano F. Observations on the *Liber medicine orinalibus* by Hermogenes. *Am J Nephrol* 1999; 19: 185-188.

Diamandopoulos AA, Goudas CP. Ancient wisdom on volume control. *Nephrol Dial Transplant* 1999; 14: 2524-2525.

Nephrology in the middle ages

McVaugh MR. The Fielding H. Garrison lecture: Bedside manners in the middle ages. *Bull Hist Med* 1997; 71: 201-223.

- including the examination of specimens of urine

Diamandopoulos A. Exorcisms used for treatment of urinary tract diseases in Greece during the middle ages and renaissance. *Am J Nephrol* 1999; 19: 114-124.

Angeletti LR, Gazzaniga V. Theophilus' *Auctoritas* : the role of *de urinis* in the medical curriculum of the 12th-13th centuries. *Am J Nephrol* 1999; 165-171.

Timio M. Gentile da Foligno, a pioneer of cardioneurology: commentary on *Carmina de urinariis iudiciis* and *De pulsibus*. *Am J Nephrol* 1999; 19: 189-192.

Renal structure and function (anatomy and physiology)

De Broe ME, Sacré D, Snelders ED, de Weerd DL. The Flemish anatomist Andrea Vesalius (1514-1564) and the kidney. *Am J Nephrol* 1997; 17: 252-260.

Eknoyan G. Realdo Colombo (1516-1559). A reappraisal. *Am J Nephrol* 1997; 17: 261-268.

Mezzigiorno A, Mezzigiorno V. Marcello Malpighi (1628-1694). *Am J Nephrol* 1997; 17: 269-273.

Bisaccia C, de Santo RM, De Santo LS, de Santo D, Bellini L, de Santo NG. The symbolism of salt in paintings. *Am J Nephrol* 1997; 13: 318-339.

Purkerson ML, Wechsler L. Depictions of the kidney through the ages. *Am J Nephrol* 1997; 17: 340-346.

Olukoga AO, Bolodeoku J, Donaldson D. Laboratory instrumentation in clinical biochemistry: an historical perspective. *J Roy Soc Med* 1997; 90: 570-577.

- *a general account but which contains much relevant to the kidney, including urine testing, flame photometry and the measurement of creatinine*

Richet G. Daguerre, Donné et Foucault, trois franc-tireurs créent la microphotographie. *Hist Méd Sci* 1997; 13: 45-48.

- *a fascinating account of the very early introduction of photomicrography, which was then neglected for half a century*

Fogazzi GB. Iconographic archives of European Nephrology. Italy 17th century. The description of the renal glomeruli by Marcello Malpighi. *Nephrol Dial Transplant* 1997; 12: 2191-2192.

* Eknoyan G. A history of diuretics. In *Diuretic agents: clinical physiology and pharmacology*. ? eds Academic Press, New York 1997. Pp 3-28.

DeSanto NG, Bisaccia C, Cirillo M, De Santo RM, De Santo LS, De Santo D, Papalia T, Capasso G, De Napoli N. A contribution to the history of common salt. *Kidney Int* 1997; 51[suppl59]: s127-s134.

Gottschalk CW, Knepper MA. Milestones in nephrology. Comment on and reprint of: Gottschalk CW, Mylle M. *Micropuncture study of the mammalian urinary concentrating mechanism: evidence for the counter current hypothesis. Am J Physiol* 1959; 196: 927-936. *J Am Soc Nephrol* 1997; 8: 153-164.

- *this was the first of a continuing series of "Milestones in nephrology" in JASN which has been particularly strong on recent history of renal physiology. Only papers with a surviving author have been treated, thus confining the series to the past half century or so.*

Burg MB, Schafer JA. Milestones in nephrology. Comment on and reprint of: Burg MB, Grantham J, Abramow M, Orloff J. *Preparation and study of fragments of single rabbit nephrons. Am J Physiol* 1966; 210: 1293-1298. *J Am Soc Nephrol* 1997; 8: 674-683.

Brenner BM, Troy JL, Baylis C. Milestones in nephrology. Comment on and reprint of: Brenner BM, Troy JL, Daugharty TM. *The dynamics of glomerular ultrafiltration in the rat. J Clin Invest* 1971; 50: 1776-1780. *J Am Soc Nephrol* 1997; 8: 833-839.

Leaf A, Hays RM, Handler JS. Milestones in nephrology. Comment on and reprint of: Hays RM, Leaf A. *Studies of the movement of water through the isolated toad bladder and its modification by vasopressin. J Gen Physiol* 1962; 45: 905-919. *J Am Soc Nephrol* 1997; 8: 1004-1015.

Morel F, Imbert-Teboul M, Chabardès D, Grantham JJ. Milestones in nephrology. Comment on and reprint of: Imbert M, Chabardès, Montégut M, Clique A, Morel F. *Adenylate cyclase activity along the rabbit nephron as measured in single isolated segments. Pflüger's Arch* 1975; 354: 213-228. *J Am Soc Nephrol* 1997; 8: 1608-1617.

Maunsbach AB, Farquhar MG. Milestones in nephrology. Comment on and reprint of: Maunsbach AB. *Absorption of I¹²⁵-labeled homologous albumin by rat kidney proximal tubule cells. J Ultrastruct Res* 1966; 15: 197-241. *J Am Soc Nephrol* 1997; 8: 323-351.

Murer H, Alpern RJ. Milestones in nephrology. Comment on and reprint of: *Sodium/proton antiport in brush border membrane vesicles isolated from rat small intestine and kidney. Biochem J* 1976; 154: 597-604. *J Am Soc Nephrol* 1998; 9: 143-150.

Gill JR Jr., Lifton RP. Milestones in nephrology. Comment on and reprint of: Bartter FC, Pronove P, Gill JR Jr, MacCardle RC, Diller E. *Hyperplasia of the juxtaglomerular complex with hyperaldosteronism and hypokalemic alkalosis. Am J Med* 1962; 33: 811-828. *J Am Soc Nephrol* 1998; 9: 516-528.

Thurau K, Schneerman J, March DJ. Milestones in nephrology. Comment on and reprint of: Thurau K, Schneermann J. *[The Na concentration at the macular densa cells as a*

factor regulating glomerular filtration rate (micropuncture studies)]. *Klin Wschr* 1965; 43: 410-413. *J Am Soc Nephrol* 1998; 9: 923-934 (German text and English translation supplied).

Rector FC, Dubose TD Jr. Milestones in nephrology. Comment on and reprint of: Rector FC Jr, Carter NW, Seldin DW, Nunn AC. *The mechanism of bicarbonate reabsorption in the proximal and distal tubules of the kidney. J Clin Invest* 1965; 44: 278-290. *J Am Soc Nephrol* 1998; 9: 1134-1145.

Berliner RW, Giebisch G. Milestones in nephrology. Comment on and reprint of: Berliner RW, Kennedy TJ Jr, Kalinsky H. *Renal tubular secretion of potassium in the normal dog. Proc Soc Exp Biol Med* 1948; 67: 542-545. *J Am Soc Nephrol* 1998; 9: 1341-1345.

Skou J CHHr, Hoffman JF. Milestones in nephrology. Comment on and reprint of: Skou JC. *The influence of some cations on an adenosine triphosphatase from peripheral nerves. Biochim Biophys Acta* 1998; 9: 2170-2177. *J Am Soc Nephrol* 1998; 9: 2170-2177.

Edelman IS, Rossier BC. Milestones in nephrology. Comment on and reprint of: Edelman IS, Bogoroch R, Porter GA. *The mechanism of action of aldosterone on sodium transport: the role of protein synthesis. Proc Natl Acad Sci USA* 1963; 50: 1169-177. *J Am Soc Nephrol* 1999; 10: 675-681.

Kokko J, Burg M. Milestones in nephrology. Comment on and reprint of: Rocha A, Kokko J. *Sodium chloride and water transport in the medullary thick ascending limb of Henle. J Clin Invest* 1973; 52: 612-623. *J Am Soc Nephrol* 1999; 10: 1145-1156.

Handler JS, Auseillo DA. Milestones in nephrology. Comment on and reprint of: Orloff J, Handler JS, Preston AS. *The similarity of effects of vasopressin, adenosine 3',5'-phosphate (cyclic AMP) and theophylline on the toad bladder. J Clin Invest* 1962; 41: 702-709. *J Am Soc Nephrol* 1999; 10: 1623-1630.

Ullrich KJ, Jamison R. Milestones in nephrology. Comment on and reprint of: Ullrich KJ, Jarausch KH. *Investigation of the problem of urinary concentration and dilution. Distribution of electrolytes (n, K, Ca, Mg, Cl, inorganic phosphate) urea, amino acids and exogenous creatinine in the cortex and medulla of the dog kidney under different states of diuresis. Pflügers Arch* 1956; 262: 537-550. *J Am Soc Nephrol* 1999; 10: 1840-1848.

Ussing HH, Andreoli TE. Milestones in nephrology. Comment on and reprint of: Ussing HH, Zerahn K. *Active transport of sodium as the cause of electric current in the short-circuited isolated frog skin. Acta Physiol Scand* 1951; 23: 110-127. *J Am Soc Nephrol* 1999; 10: 2056-2065.

Farquhar MG, Abrahamson D. Milestones in nephrology. Comment on and reprint of: Farquhar MG, Wissig SL, Palade GE. *Glomerular permeability. I Ferritin transfer across the normal glomerular capillary wall. J Exp Med* 1961; 113: 47-87. *J Am Soc Nephrol* 1999; 10: 2645-2662.

Mezzogiorno A, Mezzogirono V. Bartolomeo Eustachio: a pioneer in morphological studies of the kidney. *Am J Nephrol* 1999; 19: 193-198.

De Santo NG, Bisaccia C, De Santo LS, De Santo RM, Di Leo VA, Papalia T, Cirillo M, Touwaide A. Berengario da Carpi. *Am J Nephrol* 1999; 19: 199-212.

Hierholzer K, Ullrich KJ. History of renal physiology in Germany during the 19th century. *Am J Nephrol* 1999; 19: 243-256.

- contains a prodigious list of German language publications on renal physiology and pharmacology from the nineteenth century

Fine LG. British contributions to renal physiology: of dynasties and diuresis. *Am J Nephrol* 1999; 19: 257-265.

Giebisch G, Berliner RW. Origins of renal physiology in the USA. *Am J Nephrol* 1999; 19: 266-273.

Richet G. The contributions of French-speaking scientists to the origins of renal physiology and pathophysiology (1790-1910). *Am J Nephrol* 1999; 19: 274-281.

De Broe ME, de Weerd DL, Ysebaert DK, Vercauteren SR, de Greef KE, de Broe L. the low countries- 16th/17th centuries. *Am J Nephrol* 1999; 19: 282-289.

Kinne-Saffran E, Kinne RKH. Vitalism and the synthesis of urea. From Friedrich Wohler to Hans A Krebs. *Am J Nephrol* 1999; 19: 290-294.

Dal Canton I, Calligaro AL, Dal Canton F, Frosio-Roncalli M, Calligaro A. Contributions of Camillo Golgi to renal histology and embryology. *Am J Nephrol* 1999; 19: 304-307.

Schena FP, Strippoli GFM, Wankelmuth P. Renal growth factors: past, present and future. *Am J Nephrol* 1999; 19: 308-312.

Rossier B. L'histoire du sel. (History of salt). *Rev Med Suisse Romande* 1998; 118; 285-293.

Valtin H. Carl W. Gottschalk's contributions to elucidating the urinary concentrating mechanism. *J Am Soc Nephrol* 1999; 10: 620-627.

Morel F. The loop of Henle, a turning point in the history of kidney physiology. *Nephrol Dial Transplant* 1999; 14: 2510-2515

Haviv YS. Figures in the historical dispute over renal function. Part I: From ancient times to the first microscopes. *J Med Biograph* 1999; 7: 211-216.

* Haviv YS. Figures in the historical dispute over renal function. Part II: Heidenhain
J Med Biograph 1999; 7:

Uroscopy and Urinalysis

Diamandopoulos AA. Uroscopy in Byzantium. *Am J Nephrol* 1997; 17: 222-227.

Angeletti LR, Cavarra B. The *Peri ourion* treatise of Stephanus of Athens: Byzantine uroscopy of the 6th-7th centuries AD. *Am J Nephrol* 1997; 17: 228-232.

Wilkinson G. Uroscopy to urinalysis. *Urologic Nursing* 1997; 17: 165-166.

Sura VV, Kamaeva OI. Analiz mochi v istorii meditsinskoi diagnostiki (Urinalysis in the history of medical diagnosis) *Terapev Arkhiv* 1998; 70: 5-7.

Cameron JS. Historical introduction. In: *The Urinary sediment. An integrated view 2nd edition*. Eds Fogazzi GB, Ponticelli C, Ritz E. Masson, Milano 1999 p1-12.

- *an updating of the 1986 edition with new material and illustrations*

Fogazzi GB. Iconographic archives of European nephrology. Austria 19th century. An atlas of urinary sediment written by a surgeon and a chemist still of interest today. *Nephrol Dial Transplant* 1999; 14: 2038-2039

- *this deals with Ulzmann and Hoffman's Atlas of physiologic and pathologic urinary sediment of 1871*

Gazzaniga V. Uroporphyrin: some notes on its ancient historical background. *Am J Nephrol* 1999; 19: 159-162.

Parenchymatous renal disease

Eknoyan G. A history of edema and its management. *Kidney Int* 1997; 51[suppl 59]: s118-s126.

Andreoli TE. Edematous states: an overview. *Kidney Int* 1997; 51 (suppl 59): s2-s10.

Andrae L, Fine G. Unravelling dropsy: from Marcello Malpighi's discovery of the capillaries (1661) to Stephen Hales' production of oedema in an experimental model (1733). *Am J Nephrol* 1997; 17: 359-368.

- *these three publications form an essential coverage of the subject*

Anon. Cancer du rein de l'adulte (Cancer of the kidney in adults). *Progres en Urologie* 1997; 7: 751-754.

Cameron JS Hicks J. The introduction of renal biopsy into nephrology from 1901 to 1961: a paradigm of the forming of nephrology by technology. *Am J Nephrol* 1997; 17: 347-358.

- *the most comprehensive history of renal biopsy so far*

Better OS. History of the crush syndrome: from the earthquake of Messina, Sicily 1909 to Armenia 1988. *Am J Nephrol* 1997; 17: 392-394.

Benedek TG. William Osler and development of the concept of systemic lupus erythematosus. *Semin Arthr Rheum* 1997; 27: 48-56.

- *points out that despite having been given credit for a century for describing lupus, Olser's writings contain no such description*

Schwartz U, Ritz E. Glomerulonephritis and progression- Friedrich Theodor von Frerichs, a forgotten pioneer. *Nephrol Dial Transplant* 1997; 12: 2776-2778.

Glasscock RJ. The history of renal immunopathology. In: Neilson EG, Couser WG. *Immunologic renal disease*. Lippincott-Raven. Philadelphia 1997. Pp 11.

- *the only history so far in this important area*

Rowell NR. Some historical aspects of skin disease in lupus erythematosus. *Lupus* 1997; 6: 76-83.

Valtin H, Schrier RW. Milestones in nephrology. Comment on and reprint of: Valtin H, Schroeder HA. *Familial hypothalamic diabetes insipidus in rats (Brattleboro strain)*. *Am J Physiol* 1964; 206: 425-430. *J Am Soc Nephrol* 1997; 8: 1332-1341.

Pirani CL, Pollak VE, Kashgarian M. Milestones in nephrology. Comment on and reprint of: Pollak VE, Pirani CL, Schwartz FD. *The natural history of the renal manifestations of systemic lupus erythematosus*. *J Lab Clin Med* 1964; 63: 537 - 550. *J Am Soc Nephrol* 1997; 8: 1189-1198.

Brun C, Cameron JS. Milestones in nephrology. Comment on and reprint of: *Iversen P, Brun C. Aspiration biopsy of the kidney. Am J Med 1951; 11: 324-330.* J Am Soc Nephrol 1997; 8: 1778-1787.

Bywaters EGL, Knochel JP. Milestones in nephrology. Comment on and reprint of: *Bywaters EGL, Beall D. Crush injuries with impairment of renal function. Br Med J 1941; 1: 427-432.* J Am Soc Nephrol 1998; 9: 322-332.

Gardner KD, Grantham JJ. Milestones in nephrology. Comment on and reprint of: *Gardner KD. Composition of fluid in twelve cysts of a polycystic kidney. N Engl J Med 1969; 281: 985-988.* J Am Soc Nephrol 1998; 9: 1964-1970.

Torres VE, Watson ML. Polycystic kidney disease: antiquity to the 20th century. Nephrol Dial Transplant 1998; 13: 2690-2696.

Fogazzi GB. Iconographic archives of European Nephrology. Italy 18th century. Kidney diseases in the major works of Giovanni Battista Morgagni. Nephrol Dial Transplant 1998; 13: 211-212.

Fogazzi GB. Iconographic archives of European Nephrology. Italy, 18th century. The description of polycystic kidneys by Domenico Gusmano Galeazzi. Nephrol Dial Transplant 1998; 13: 1039-1040.

Fogazzi GB. Iconographic archives of European Nephrology. France 19th Century. Bright's disease as seen by the famous neurologist Jean- Martin Charcot. Nephrol Dial Transplant 1998; 13: 2407-2408.

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