

The pathogenesis of developmental and acquired renal abnormalities in paediatric refluxive and obstructive disease

De pathogenese van primaire en verworven nierandoeningen in refluxieve en obstructieve aandoeningen op de kindereleeftijd

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stellingen _____

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Stellingen

- 1 The Disector principle provides a gold standard with which to study renal growth and development.

This Thesis

- 2 The total number of glomeruli in the human kidney increases from approximately 15,000 at 15 weeks gestation to approximately 740,000 at 40 weeks gestation in a nonlinear, quasi-exponential fashion.

This Thesis

- 3 Medullary Ray Glomerular Counting is a reproducible parameter for quantifying renal development with a sensitivity greater than that of renal weight.

This Thesis

- 4 Intrauterine growth retardation is detrimental to the development of the kidney.

This Thesis

- 5 In children with vesicoureteral reflux, early presentation with minimal renal function rarely reflects failure of management but rather a preexistent limitation of parenchymal capacity associated with antenatal, developmental pathology.

This Thesis

- 6 The development of focal and segmental glomerulosclerosis in children with reflux nephropathy is not wholly explained by glomerular hyperfiltration.

This Thesis

- 7 Pathology of the adult should be approached from the perspective of antenatal influences.
Barker DJP, SCIENCE 90, The British Association for the Advancement of Science, Swansea, August 1990.
- 8 More randomised clinical trials are required to evaluate precisely the role of recombinant interleukin-2 before its introduction into funded prescriptive practice.
- 9 Proposed EEC legislation with respect to teratogenicity testing of drugs proposed for registration will not preclude recurrence of thalidomide associated phocomelia.
- 10 If medical students are to be stimulated towards academia, the decisive criterion for selecting guest lecturers must be their capacity to inspire, rather than their age or learnedness.
Max Perutz, Science and Medicine Conference, The Royal College of Physicians, London, November 1989.
- 11 The formulation of scientific hypotheses worth pursuing is enhanced by ignoring circadian rhythms.
- 12 Elgar's "The Dream of Gerontius" should become compulsory material in any grammar school music curriculum, especially in countries contemplating commerce with England.
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