

Curriculum vitae

Malcolm Coulthard

Date of birth: 07/05/49

Current appointments: Honorary consultant paediatric nephrologist
Newcastle upon Tyne Foundation Hospitals NHS Trust
Great North Children's Hospital, Royal Victoria Infirmary, Newcastle upon Tyne
&
Honorary senior lecturer in child health
Newcastle University, Newcastle upon Tyne.

Qualifications

B Sc in Physiology (1 st class Honours)	University of London	1970
MB, BS	The London Hospital, University of London	1973
DCH	Royal College of Physicians, London	1975
FRCP	Royal College of Physicians, London	1977
FRCPCH	Royal College of Paediatrics & Child Health	1997
PhD (Renal function in preterm babies)	University of Newcastle	2001

Appointments

2009 to date Newcastle upon Tyne NHS Foundation Hospitals, and University of Newcastle	Retired from paid clinical work, but continuing to undertake clinical research. This includes having designed and built a haemodialysis machine suitable for babies from 800 gram to 8 kg (currently conducting clinical trial for CE testing), developing indirect cystography for infants, and developing an artificial placenta.
1984 to 2009 The Royal Victoria Infirmary, Newcastle upon Tyne, and University of Newcastle	Senior registrar (until 1985) and then consultant paediatric nephrologist for the Northern Health Region, & honorary senior lecturer in child health, Newcastle University. I was the first consultant paediatric nephrologist appointed in Newcastle; until then children in the Northern Region with renal disease were treated by general paediatricians, and no renal transplants were performed on small children. I developed and managed an integrated service, which is now an active and flourishing department. In addition to clinical work, I undertook extensive research. I retired at 60 in order to have time to expand my research activities, retaining an honorary clinical contract to facilitate this.
1984 to 1985 Guy's Hospital, London	Senior registrar in paediatric nephrology The emphasis of this training post was to manage children with chronic and end-stage renal failure, including dialysis and transplantation.
1982 to 1983 Hospital for Sick Children, Great Ormond Street, London	Senior registrar in paediatric nephrology The emphasis of this training post was to manage children with the full range of acute renal disease, and the dialysis of small infants.
1979 to 1982 University of Newcastle	Senior research associate & honorary senior registrar in neonatal paediatrics. During this post I worked with preterm infants, and undertook pathophysiological studies of their kidney function, holding an MRC research grant, eventually citing my publications for my PhD nearly 20 years later (it was a busy time!).
1973 to 1979 Various hospitals in London and Newcastle	Pre-registration posts in general medicine and surgery, then SHO and registrar posts in a full range of paediatric specialities.

Publications in reverse date order

1. Vasdev N, Coulthard MG, Lambert HJ, Keir MJ, Wyrley-Birch H, Rix D, et al. The modified Barry technique to prevent vesicoureteric reflux in paediatric renal transplant recipients: initial recipient outcomes. *Journal of Paediatric Urology* 2012;8:97-102.
2. Coulthard MG, Nelson A, Smith T, Perry JD. Point-of-care diagnostic tests for childhood urinary tract infection: phase-contrast microscopy for bacteria, stick-testing, and counting white blood cells. *Journal of Clinical Pathology* 2010;63:823-29.
3. Coulthard MG, Kalra M, Lambert HJ, Nelson A, Smith T, Perry JD. Redefining urinary tract infections by bacterial colony counts. *Pediatrics* 2010;125:335-41.
4. Rhodin MM, Anderson BJ, Peters AM, Coulthard MG, Wilkins B, Cole M, et al. Human renal function maturation: a quantitative description using weight and postmenstrual age. *Pediatric Nephrology* 2009;24:67-76.
5. Hegde S, Coulthard MG. Renal agenesis and unilateral nephrectomy: is it a risk to live with a single kidney? *Ped Neph* 2009;24:439-46.
6. Coulthard MG, Verber I, Jani JC, Lawson GR, Stuart CA, Sharma V, et al. Can prompt treatment of childhood UTI prevent kidney scarring? *Pediatric Nephrology* 2009;24:2059-63.
7. Coulthard MG, Lambert HJ, Keir MJ. Do systemic symptoms predict the risk of kidney scarring after UTI? *Archives of Disease in Childhood* 2009;94:278-81.
8. Coulthard MG, Keir MJ. Transient parenchymal defects may occur in kidney transplants during urine infections. *Pediatric Nephrology* 2009;24:1091-92.
9. Coulthard MG, de san Lázaro C. Case reports of factitious illness are unlikely to be published in the UK. *Archives of Disease in Childhood* 2009;94:171.
10. Coulthard MG. Which children with nephrotic syndrome benefit from cyclosporin A or cyclophosphamide? *Pediatric Nephrology* 2009;24:1257.
11. Coulthard MG. VUR is not a benign condition. *Ped Neph* 2009;24:227-32.
12. Baumer JH, Coulthard MG, Haycock GB, McIntosh N, Ranmal R, Haines L. The differential diagnosis of hypernatraemia in children, with particular reference to salt poisoning: an evidence-based guideline. *Royal College of Paediatrics and Child Health* 2009.
13. Vasdev N, Willetts IE, de la Hunt MN, Starzyk B, Ognjanovic M, Coulthard MG. Neonatal urinary ascites secondary to urinary bladder rupture. *Journal of Pediatric Urology* 2008;5:100-04.
14. Hyde S-J, Coulthard MG, Jaffray B, Vallely ME, Harding SM. Using saline solutions for ACE washouts. *Archives of Disease in Childhood* 2008;93:149-50.
15. Coulthard MG, Lambert HJ, Moghal NE, Ognjanovic M, Vernon SJ, Keir MJ, et al. Newcastle childhood UTI guidelines. 2008.
16. Coulthard MG, Lambert HJ. Czy należy stosować wytyczne postępowania w zakażeniu układu moczowego u dzieci opracowane przez NICE? *Medycyna Praktyczna - Pediatria* 2008;10:14-22.
17. Coulthard MG. Reader response to: Watchdog chair to get tough on obeying NICE rules. *Health Service Journal*, 2008; http://www.hsj.co.uk/Intelligence/news/2008/08/new_regulator_pledges_nice_guidance_cra ckdown.html.
18. Coulthard MG. Is reflux nephropathy preventable, and will the NICE childhood UTI guidelines help? *Archives of Disease in Childhood* 2008;93:196-99.
19. Coulthard MG. Will changing maintenance intravenous fluid from 0.18% to 0.45% saline do more harm than good? *Archives of Disease in Childhood* 2008;93:335-40.
20. Webb NJA, Coulthard MG, Trompeter RS, Fitzpatrick MM, Stevens S, Dudley J, et al. Correlation between finger-prick and venous ciclosporin levels: association with gingival overgrowth and hypertrichosis. *Pediatr Nephrol* 2007;22:2111-18.
21. Shenoy M, Ognjanovic MV, Coulthard M. Treating severe Henoch-Schönlein and IgA nephritis with plasmapheresis alone. *Paediatr Nephrol* 2007;22:1167-71.
22. Krishnan RG, Ognjanovic MV, Crosier J, Coulthard MG. Acute hydrothorax complicating peritoneal dialysis. *Peritoneal Dialysis International* 2007;27:296-99.
23. Krishnan RG, Coulthard MG. Minimising changes in plasma calcium and magnesium concentrations during plasmapheresis. *Pediatric Nephrology* 2007;22:1763-66.
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25. Hegde S, Coulthard MG. Follow-up of early unilateral nephrectomy for hypertension. *Archives of Disease in Childhood Fetal & Neonatal Edition* 2007;92:F305-F06.
26. Gittins N, Ognjanovic MV, Matthews JNS, Coulthard MG. Comparison of alteplase and heparin in maintaining the patency of central venous haemodialysis lines: a randomised controlled trial. *Archives of Disease in Childhood* 2007;92:499-501.
27. Coulthard MG, Skinner R. Should paediatric central lines be aspirated before use? *Archives of Disease in Childhood* 2007;92:517-18.
28. Coulthard MG. NASTY processes produce NASTY guidelines. *British Medical Journal* 2007;335:463.
29. Coulthard MG. Quantifying how tests reduce diagnostic uncertainty. *Arch Dis Child* 2007;92:404-08.
30. Brisdon J, Samuels M, Speight N, Crawford M, Coulthard M, and 33 others. There is a determined campaign to deny the reality of child abuse. *Guardian* 2007 5 December.

31. Krishnan R, Coulthard MG, Moghal NE. Is there a role for vincristine in nephrotic syndrome? *Pediatric Nephrology* 2006;21:597.
32. Hegde S, Moghal NE, Coulthard MG. Acute appendicitis occurring immediately post-renal transplant. *Pediatric Transplantation* 2006;10:119-20.
33. Coulthard MG, Keir MJ. Reflux nephropathy in kidney transplants, demonstrated by dimercaptosuccinic acid scanning. *Transplantation* 2006;82:205-10.
34. Plant ND, Hornung RJ, Coulthard MG, Keir MJ, Matthews JNS, Robson SC. Does antenatal pelvic dilatation predict renal scarring? *Archives of Disease in Childhood* 2005;90:F339-40.
35. Lambert HJ, Coulthard MG. Urinary tract infections in infancy and childhood. In: Davison AM, Stewart Cameron J, Grunfeld J-P, Ponticelli C, Ritz E, Winearls CG, et al., editors. *Oxford Textbook of Clinical Nephrology*. 3rd ed. Oxford: Oxford University Press, 2005:1131-50.
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38. Hegde S, Coulthard MG. End-stage renal disease due to bilateral renal malakoplakia. *Archives of Disease in Childhood* 2004;89:78-79.
39. Lambert HJ, Coulthard MG. The child with urinary tract infection. In: Webb N, Postlethwaite R, editors. *Clinical Paediatric Nephrology*. 3rd ed. Oxford: Oxford University Press, 2003:197-225.
40. Coulthard MG, Vernon SJ, Lambert HJ, Matthews JNS. A nurse led education and direct access service for the management of urinary tract infections in children: prospective controlled trial. *British Medical Journal* 2003;327:656-59.
41. Coulthard MG, Vernon SJ, Lambert HJ. Management of urinary tract infections in children: authors' reply. *British Medical Journal* 2003;327:1346.
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58. Coulthard MG. Medical renal problems. In: Southall D, Coulter B, Ronald C, Nicholson S, Parke S, editors. *International Child Health Care: A practical manual for hospitals worldwide*. London: BMJ books, 2001:188-202.
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61. Nunn JH, Sharp J, Lambert HJ, Plant ND, Coulthard MG. Oral health in children with renal disease. *Pediatric Nephrology* 2000;14:997-1001.

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63. Coulthard MG, Hey EN, Al-Dahhan J, Haycock GB. Evaluating urine flow and solute excretion from urinary creatinine in the first week of life. *Archives of Disease in Childhood* 2000;82:F257-F60.
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