



Project Title: The Clinical Features of Autosomal Dominant Polycystic Kidney Disease in Children		Code: CHW9
Host School / Institute: Children's Hospital at Westmead Clinical School	Address: Dept Nephrology, The Children's Hospital at Westmead	
Certificates & Clearances required: Yes *Vaccination Certificate *Working with children clearance *Police clearance * <i>Information on how to obtain certificates, where necessary, will be given to successful applicants.</i>		
Primary Supervisor: Dr Anne Durkan		
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Co-Supervisor/team: Nephrologists at CHW, Hugh McCarthy, Anne Durkan, Siah Kim and Deirdre Hahn.		
Project Type: Clinical; Data Analysis		
Project Category: Paediatrics/Child Health; Nephrology/Urology		
Skills / Attributes of a successful student: The student will need to be self-motivated and be able to work independently. He/she will need good communication skills and be able to explain the study to families in a reassuring manner. Some statistical knowledge will be advantageous but not essential.		
Project Keywords: Hypertension; Proteinuria; Kidney		
Project Description: Autosomal dominant polycystic kidney disease is the commonest genetic cause of end stage renal failure in adults but is often diagnosed in childhood. Most children with ADPKD are thought to be asymptomatic but hypertension and UTIs are sometimes seen. This study will assess approximately 30 children with ADPKD, using 24 hour ambulatory blood pressure monitoring. This technique is more accurate than clinic readings and may unmask more hypertension. The children will also be assessed for albuminuria. Genetic testing will be performed in all those not already tested. The blood pressure results will be correlated with ultrasound findings, other clinical data and family history. The student will be responsible for obtaining study consent with one of the supervisors. They will then arrange for the 24hr ABPM, using machines available in the dept of nephrology. They will collate the data obtained and also collect demographic and clinical data to analyse for any correlations. The student will perform data analysis, with the help of a statistician if required.		