

## Summary of 5th Round BRS Grant Awards (2005)

Recipient	Hospital	Title of Grant Project	Brief Description of the Project	Amount of Award
Dr Colin Jones Consultant Renal Physician  Graham Woodrow Consultant Renal Physician	York Hospital  Leeds General Infirmary	The effects of oral sodium bicarbonate on extracellular water in patients with Chronic Renal Failure	Purpose of proposed investigation: <ul style="list-style-type: none"> <li>To determine the effects of oral sodium bicarbonate on extracellular fluid volume and blood pressure in patients with renal failure.</li> <li>To determine whether or not bioelectric impedance monitoring will detect changes demonstrated by gold standard techniques of body water measurement.</li> </ul>	£36,104.00
Ms Paula Ormandy Research Fellow (Nursing)  Mrs Jane Macdonald Matron  Mr Dennis Crane Renal Patient and Patient Advocate  Dr Donal O'Donoghue Clinical Director  Dr Ann-Louise Caress Senior Lecturer	University of Salford, Manchester  Salford Royal Hospital Trust  Salford Royal Hospital Trust  University of Manchester	Identifying chronic kidney disease patients' priorities and preferences for information topics	The aim of this study is to achieve the following: <ul style="list-style-type: none"> <li>To gain insight into patients' perspectives on key informational topic areas by exploring the information needs of a group of CKD/ESRF patients</li> <li>To investigate whether the type of and need for information changes over time, or as a result of gender, age or minority ethnic group.</li> <li>To develop a measuring scale which profiles and prioritises the information needs of CKD patients and test the validity and reliability of the renal-specific Information Needs Questionnaire (INQ)</li> <li>To add to the theory of knowledge on gathering and measuring CKD patient information needs to inform practice and service development based on the user perspective.</li> </ul>	£26,986.00
Dr Colin Hutchison Research Registrar  Mr John Harrison Head Renal Technician  Sr A Greene Acute Renal Care Sister  Dr P. Cockwell Consultant Nephrologist  Dr M. Cook Consultant Haematologist  Prof A.R.Bradwell	Queen Elizabeth Hospital, Birmingham	Efficacy of light chain removal in myeloma and acute renal failure by continuous haemodialfiltration: a pilot study	In myeloma, renal failure is a major determinant of worse outcome. <sup>4</sup> It is associated with cast formation due to intra-tubular precipitation of free light chains (FLC) secondary to high serum levels associated with the disease. We have performed detailed preliminary analyses that indicate that extended haemodialysis may rapidly lower serum FLC (sFLC) below the threshold for cast formation. Mathematical modeling shows that the efficacy of this treatment is up to 10 fold greater than plasma exchange.  The purpose of this investigation is to assess if these findings are applicable to clinical practice. To address this we are requesting support for staffing and consumables for a pilot study of the	£11,650.00

Professor Immunology			efficacy of sFLC removal in myeloma and acute renal failure. We will use continuous haemodialfiltration for five patients to analyze in detail the kinetics of removal of sFLC in patients with levels above that associated with the development of cast nephropathy.	
Ms Debbie Sutton Renal Research Dietitian  Dr Kathryn Hart Dietetics Lecturer	Queen Alexandra Hospital, Portsmouth	Facilitating dietary change in renal disease; investigating patient's perspectives	The aim of this study is to explore the knowledge and beliefs CKD patients have about the role of diet in their disease presentation and management. With more patients reaching CKD via the heart disease and diabetes route, it is likely that they will have been exposed to nutrition and health information from a variety of sources, including other dietitians. This may have both positive and negative consequences and health professionals need to understand the way in which past and future dietary advice is processed within a framework of chronic disease. Patient's willingness to accept advice, particularly where it may contradict that previously provided, and their perception of the relative risks of poor diet versus say, the risks of not taking drugs, must be elucidated in order to inform effective and appropriate future interventions in this population.	£15,185.00
Dr Chris McIntyre Consultant Nephrologist	Derby City General Hospital	Study to investigate the effects of cool dialysate on systemic haemodynamics and myocardial stunning	We propose to conduct a prospective randomised cross-over study to test the hypothesis that haemodialysis-induced myocardial stunning (as measured by LV regional wall motion abnormalities) can be ameliorated by reducing the dialysate temperature. We also plan to assess the affect of cool dialysis on biomarkers of myocardial damage (troponin T, NT-proBNP, IL-6). This work may potentially reveal a simple, easily applied intervention to help combat the huge excess of cardiovascular disease in dialysis patients as well as acting as pilot work for larger multi-centre trials.	£29,672.00
			<b>Total Amount Awarded</b>	<b>£119,597.00</b>