

## Research experience

I have been involved in the following research projects:

1:

I have completed a large multi-centre retrospective study assessing the importance of the white cell count (WCC) on admission to ICU and outcome. We analysed 4165 patients. The wcc on admission was split into 4 categories, leucopenic, normal, leucemoid and an exaggerated leucemoid response. The mortality of patients with leucopenia on admission to the ICU was higher than those with normal or moderately raised WCC (37.5% vs 18.9% and 23.9% respectively). We found that a leucopenic response, as well as an exaggerated leucemoid response, is associated with an increased mortality.

2:

The objective of this study was to investigate the relationship between MBL-2 exon 1 and promoter -221 polymorphisms, plasma levels of the encoded protein, and the incidence and outcome of severe sepsis and septic shock.

One hundred and seventy four Caucasian adult patients with severe sepsis or septic shock were recruited in a prospective multi-centre study across eight intensive care units in the South of England, UK. Genotype and haplotype frequencies were compared between normal population controls and patients, and between survivors and non-survivors. Plasma levels of encoded protein were related to genotype and outcome.

3:

A retrospective analysis of patients admitted to the intensive care unit with hypoalbuminaemia and the development of sepsis. To assess whether there is a link between degrees of hypoalbuminaemia and common hospital acquired infections.

### Recent Research

**Platelet function in sepsis.** Single centre study to assess platelet function in patients with severe sepsis. Comparison made with biomarkers of infection. Aim is to highlight importance of platelet function as a monitor for new and resolution of infection.

## **Publications**

### **Papers**

**U Waheed**, P Williams, G Baldock, S Brett, N Soni. White cell count and intensive care unit outcome. *Anaesthesia* 2003; 58: 180-182.

A Gordon, **U Waheed**, N Klein, S Brett., M Johnson, CJ Hinds. Mannose-Binding lectin polymorphisms in severe sepsis: Relationship to levels, Incidence and outcome. *Shock* 2006;25(1):88-93.

Patel A; Waheed U; Brett SJ; Rahemtulla A; Apperley J; Patel P. (2013). **Rapid initial response of myeloma hyperammonemic encephalopathy to L-ornithine-L-aspartate (LOLA) and dexamethasone therapy.** *Leukemia & Lymphoma*.

Patel A; Waheed U; Brett S; Rahemtulla A; Apperley JF; Patel P. (Apr 2010). **Rapid response of myeloma hyperammonaemic encephalopathy to L-ornithine-L-aspartate therapy.** *British Journal of Haematology*. 149:58.

Patel A, Stasiowska M, Waheed, U, Brett SJ, Patel P. Poor analgesic efficacy of epidural analgesia in critical care patients post-pancreaticoduodenectomy. *Pancreas* 2013

### **Review**

A Patel, U Waheed, S Brett, M Laffan. Randomised trials of human albumin for adults with sepsis: systematic review and meta-analysis with trial sequential analysis of all-cause mortality; *BMJ* 2014; 349 doi: <http://dx.doi.org/10.1136/bmj.g4561>

**U Waheed**, S Brett. Pain Control In the Intensive Care Unit. *Yearbook Of Intensive Care and emergency medicine* 2003. Springer-Verlag, Berlin 2003; 348-354.

Patel A; Waheed U; Brett SJ. (5 Jun 2013). **Harm associated with 6 % tetrastarch 130 kDa [hydroxyethyl starch (HES) 130/0.4 and 130/0.42] is robust to sensitivity analysis by excluding Dolecek et al.** Intensive Care Medicine.

Patel A; Waheed U; Brett SJ. (22 Feb 2013). **Randomised trials of 6 % tetrastarch (hydroxyethyl starch 130/0.4 or 0.42) for severe sepsis reporting mortality: systematic review and meta-analysis.** Intensive Care Medicine. 39:811-822

N Kumar, U Waheed, P.B Prasad; Procedural Sedation in the Obese Patient; Bariatric Endoscopy :2013, pp 215-220

### **Book Chapters**

**U Waheed.** Analgesia In ICU. Core Topics In Pain. Cambridge University Press. 2005; 109-115.

**U Waheed,** S.R. Wilson. Brainstem Death. Handbook of Clinical Anaesthesia. Second Edition. Churchill-Livingston. 2003; 6-8.

**U Waheed.** ICM Competencies for training in Microbiology. Training for Intensive Care Medicine.

**U Waheed,** M. Palazzo. Intensive Care Management of the Peri-operative Patient. Clinical Intensive Care Medicine. 2015.

### **Editorials**

**U Waheed,** S Brett. The Management of Pain in the Intensive Care Unit. The Netherlands Journal of Critical Care. 2003.

### **Case Reports**

**U Waheed,** PB Lim, J Cordingley, M Mullen. An Unusual Pulmonary Embolus. British Journal of Cardiology(Acute and Interventional Cardiology)2005;12(3):98-100.

Patel A; Felstead D; Doraiswami M; Stocks GM; Waheed U. (Feb 2011). **Acute starvation in pregnancy: a cause of severe metabolic acidosis.** International Journal of Obstetric Anesthesia.

S Bell, u Waheed, P Tait; Successful Removal of Malpositioned Chest Drain Within the Liver by Embolization of the Transhepatic Track. CardioVascular and Interventional Radiology; July 2009, Volume 32, Issue 4, pp 825-827 George

Adams, Angus Brown, Anna Burnside, Raj Tanday, David, Lowe, Korina Li, Paresh A Malhotra, Agnieszka Falinska, Robina Coker, Philip Ind, Umeer Waheed, Robert Broomhead, J H Duncan Bassett, Amir H Sam. An Undiagnosed Stupor in the Acute Medical Unit: A Case of Malignant Catatonia. QJM: monthly journal of the Association of Physicians 05/2014; · **2.36**

### **Abstracts**

S. Jarvis, S.J.Brett, D.Reddi, B.North, **U.Waheed**. Albumin and Platelet Levels in New Onset Bacteraemia in the Critically Ill. American Journal of Respiratory and Critical Care Medicine 2008. 177. A635.

J. Goldblatt, J. Ilingworth, S. Khan, N. Sabir, S. Khan, **U. Waheed**. Use of N Acetyl Cysteine in The Prevention of Contrast Induced Nephropathy in General Intensive Care Patients. Submitted to European Society of Intensive care 2008.

### **Oral Presentations**

S. Jarvis, S.J.Brett, D.Reddi, B.North, **U.Waheed**. Albumin and Platelet Levels in New Onset Bacteraemia in the Critically Ill. American Journal of Respiratory and Critical Care Medicine 2008. 177. A635.

American Thoracic Society Toronto May 2008

