

David N Naumann

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Academic Department of Military Surgery & Trauma

Royal Centre for Defence Medicine
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Education

Date	Location	Attainment
2003	University of Cambridge	BA Neuroscience - MA 2007
2006	University of Cambridge	MB BChir
2008	Royal College of Surgeons (England)	MRCS
2011	Worshipful Society of Apothecaries	DMCC (Diploma in the Medical Care of Catastrophes)
2018	University of Birmingham	PhD (Early microcirculatory dysfunction following trauma and haemorrhagic shock)

Current Appointments

Position	Institution
Research Fellow	Academic Department of Military Surgery and Trauma
Research Fellow	NIHR Surgical Reconstruction & Microbiology Research Centre
Honorary Clinical Research Fellow	Imperial College London
Honorary Clinical Lecturer	University of Birmingham
Surgical Registrar	Defence and West Midlands Deaneries

Associations

Type	Association
Affiliate (Dukes' Club)	Association of Coloproctology of Great Britain and Ireland (ACPGBI)
Member	Association of Trauma and Military Surgery (ATMS)

Teaching faculty

Course	Department
MSc Trauma Sciences	University of Birmingham
Tropical Medicine Course	Defence School of Healthcare Training
Wound Management Course	Postgraduate Medical Officers Course

Selected publications

Reference
Smith IM, Naumann DN, Guyver P, et al. Interobserver Variability in Injury Severity Scoring After Combat Trauma: Different Perspectives, Different Values? <i>J Spec Oper Med</i> . 2015;15(2):86-93
Smith IM, Naumann DN, Marsden ME, et al. Scanning and War: Utility of FAST and CT in the Assessment of Battlefield Abdominal Trauma. <i>Ann Surg</i> . 2015;262(2):389-96
Naumann DN, Bhangu A, Kelly M, Bowley DM. Stapled versus handsewn intestinal anastomosis in emergency laparotomy: a systemic review and meta-analysis. <i>Surgery</i> . 2015;157(4):609-18
Hutchings SD, Naumann DN, Watts S, et al. Microcirculatory perfusion shows wide inter-individual variation and is important in determining shock reversal during resuscitation in a porcine experimental model of complex traumatic hemorrhagic shock. <i>Intens Care Med Exp</i> 2016;4(1):17
Naumann DN, Bowley DM, Midwinter MJ, et al. High fidelity simulation model of pelvic hemorrhagic trauma: the future for military surgical skills training? <i>Mil Med</i> 2016; 181(11):1407-09

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- Naumann DN**, Mellis C, Husheer SLG, et al. Real-time point of care microcirculatory assessment of shock: Design, rationale and application of the Point Of Care Microcirculation (POEM) tool. *Critical Care* 2016; 20(1):310
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- Naumann DN**, Mellis C, Smith IM, et al. Safety and feasibility of sublingual microcirculation assessment in the emergency department for civilian and military patients with traumatic haemorrhagic shock: a prospective cohort study. *BMJ Open* 2016;6: e014162
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- Lewis CT, **Naumann DN**, Crombie N, Midwinter MJ. Prehospital point-of-care lactate following trauma: A systematic review. *J Trauma Acute Care Surg* 2016;81(4):748–55
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- Naumann DN**, Beaven A, Dretzke J, et al. Searching for the Optimal Fluid to Restore Microcirculatory Flow Dynamics After Haemorrhagic Shock: A Systematic Review of Preclinical Studies. *Shock*. 2016;46(6):609–22
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- Naumann DN**, Smith IM, Beaven A, Midwinter MJ. The term “prehospital” must be justified when reporting animal studies of traumatic hemorrhagic shock. *J Trauma Acute Care Surg*. 2016;81(2):394–6
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- Eisenstein N, **Naumann DN**, Bowley DM, Midwinter MJ. Pretrauma Interventions in Force Health Protection: Introducing the “Left of Bang” Paradigm. *J Spec Op Med* 2016;16(4):59–63
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- Naumann DN**, McLaughlin A, Midwinter MJ, Crombie N. Prehospital rapid sequence induction following trauma in the era of regional networks for major trauma. *Eur J Emerg Med* 2017;24(4): 243-248
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- Naumann DN**, Eisenstein N, Burns DS, Stapley SA. Towards research combat readiness: prepared, prospective and preapproved. *J R Army Med Corps* 2017;163(4): 233-234
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- Naumann DN**, Vincent LE, Pearson N, et al. An adapted Clavien-Dindo scoring system in trauma as a clinically meaningful non-mortality endpoint. *J Trauma Acute Care Surg* 2017;83(2): 241-248
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- Hazeldine J, **Naumann DN**, Toman E, et al. Prehospital immune responses and development of multiple organ dysfunction syndrome following traumatic injury: A prospective cohort study. *PLoS medicine* 2017;14(7): e1002338.
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- Toman E, Beaven A, **Naumann DN**, et al. Non-battle injury among repatriated UK armed forces since cessation of combat operations: a prospective observational study. *J R Army Med Corps* 2018;164(1): 19-24
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- Naumann DN**, Hazeldine J, Midwinter MJ, et al. Poor microcirculatory flow dynamics are associated with endothelial cell damage and glycocalyx shedding following traumatic hemorrhagic shock. *J Trauma Acute Care Surg* 2018;84(1):81-88
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- Naumann DN**, Hazeldine J, Davies DJ, et al. Endotheliopathy of trauma is an on-scene phenomenon, and is associated with multiple organ dysfunction syndrome: a prospective observational study. *Shock* 2018; 49(4):420-428
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- Naumann DN**, Hazeldine J, Dinsdale RJ, et al. Endotheliopathy is associated with higher levels of cell-free DNA following major trauma: A prospective observational study. *PLoS ONE* 2017;12(12): e0189870
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- Smith IM, Crombie N, Bishop JR, McLaughlin A, **Naumann DN**, Herbert M, Hancox JM, Slinn G, Ives N, Grant M, Perkins GD, Doughty H, Midwinter MJ, and on behalf of the RePHILL Trial Collaborators. RePHILL: protocol for a randomised controlled trial of pre-hospital blood product resuscitation for trauma. *Transfus Med* 2018;28(5): 346-356
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- Eisenstein N, **Naumann D**, Burns D, et al. Left Of Bang Interventions in Trauma: ethical implications for military medical prophylaxis *Journal of Medical Ethics* 2018;44(7): 504-508
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- Naumann DN**, Bhangu A, Bowley DM. Colon-sparing surgery for *Clostridium difficile*: translatable lessons for the international humanitarian surgeon. *J Trauma Acute Care Surg* 2018 Jan;84(1):203-204
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- Naumann DN**, Lima A. Could resuscitation be guided by Microcirculation data? No. *Intensive Care Med* 2018;44(6): 947-949
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- Naumann DN**, Doughty H, Cotton BA. No gains from plasma-first resuscitation in urban settings? *Lancet* 2018;392(10144): 255-256
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- Naumann DN**, Khan MA, Smith JE, et al. Future strategies for remote damage control resuscitation after traumatic haemorrhage. *J Trauma Acute Care Surg* 2019;86(1):163-166
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- Naumann DN**, Hancox JM, Raitt J, et al. What fluids are given during air ambulance treatment of patients with trauma in the UK, and what might this mean for the future? Results from the RESCUER observational cohort study. *BMJ Open*. 2018;8(1): e019627.
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- Naumann DN**, Hazeldine J, Bishop J, et al. Impact of plasma viscosity on microcirculatory flow after traumatic haemorrhagic shock: a prospective observational study. *Clin Hemorheol Microcirc* 2019;71(1): 71-82
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Lewis CT, Brown J, Inglis, **Naumann DN**, Crombie N. Emergency intubation in trauma in KwaZulu-Natal Province, South Africa. *South African Medical Journal* 2018;108(8);660-6

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Hancox JM, Toman E, Brace-McDonnell SJ, **Naumann DN**. Patient-centred outcomes for prehospital trauma trials: A systematic review and patient involvement exercise. *Trauma*. 2019. doi: 10.1177/1460408618817912

Campbell K, **Naumann DN**, Remick K, Wright C. Damage control resuscitation and surgery for indigenous combat casualties: a prospective observational study. *J R Army Med Corps* 2019 doi: 10.1136/jramc-2019-001228

Naumann DN. Pearce AP. Martin M, Khan MA. Should All Trauma Surgeons be Proficient in Laparoscopy? *Surgical Laparoscopy Endoscopy & Percutaneous Techniques* 2019 doi: 10.1097/SLE.0000000000000693

Academic prizes

Year	Details	Awarding body
2014	North Persian Forces Memorial Prize	Army Medical Services
2017	Montefiore Memorial Medal	Army Medical Services
2017	Wiseman Medal	Association of Trauma and Military Surgery