



**DR NATHAN KERSHAW
FANZCA (2010)
PGDipCU (Melbourne 2012)
MBBS (Monash 1998)**

I am a Specialist Anaesthetist working to make health IT better – for patients, for clinicians, and for other staff. My well rounded training in digital health combines with my clinical experience to equip me to lead digital transformation. I enjoy giving top anaesthetic care to my patients, and cultivate a good team culture in and out of the operating room.

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Dual Australian/UK citizen
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PROFESSIONAL INTERESTS

Digital Health: Perioperative Systems, ePrescribing, Electronic Patient Records, Active Directory, Intranet, Messaging, Bring Your Own Device, Patient Flow

Clinical Anaesthesia: Clinical Ultrasound, Regional Anaesthesia, Perioperative Medicine, Obstetric Anaesthesia, Anaesthesia Information Management Systems

DIGITAL HEALTH EXPERIENCE

Digital Health Fellow (University Hospitals Birmingham, 2018 – present)

Newly established training role in one of the largest acute NHS Trusts. UHB is one of the 16 Acute Global Digital Exemplars, and is notable for developing its own electronic patient record.

- + Optimising the existing inpatient patient flow system
- + Clinical input into redesign of outpatient flow system
- + Clinical liaison for DataCollector (in-house Survey Monkey replacement)
- + Clinical Messaging / WhatsApp replacement project
- + Leading overhaul of staff photos data flow from end to end including AD
- + Formulating a digital strategy for the Anaesthesia Dept
- + Involved in day to day management and ongoing iteration of PICS (the EPR) and connected systems

Master of Health Sciences *in progress* (University of Auckland, 2017 – present)

Focussed on health informatics, building on my previous postgraduate diploma in clinical ultrasound.

- + Coursework in Health Informatics and Research
- + Research portfolio: “Risk information that patients want to know when considering high risk surgery”
 - o Literature review
 - o Qualitative interview based study
 - o Development of digital risk communication tool

Anaesthesia Informatics Portfolio (Southern DHB, 2013 – 2016)

Responsible for digitally supporting anaesthesia and perioperative care at a DHB which provides tertiary level care to a very large geographical area.

- + Developed Anaesthetic Preop Information Management System
- + Set-up Anaesthetic Dept Intranet Site
- + Developed rostering software solution including mobile access
- + Re-configured Anaesthesia Machine Laptops to optimize for clinical use

Anaesthesia Intranet Site Manager (Auckland DHB, 2011 – 2013)

Extensive intranet site developed by current Clinical Director of Adult & Emergency Anaesthesia at ADHB. Was managed by Dr Lara Hopley before me.

- + Added significant functionality despite technical constraints
- + Applied good web design principles and enhanced usability
- + HTML / CSS / Javascript / image manipulation experience

CLINICAL EXPERIENCE

JSD (Higher) Anaesthesia (University Hospitals Birmingham, 2018 – present)

Specialist Anaesthetist - Adult & Emergency (Auckland DHB, 2017)

Specialist Anaesthetist (Southern DHB, 2013 – 2016)

Specialist Anaesthetist - Adult & Emergency (Auckland DHB, 2011 – 2013)

Fellow, Cardiovascular Anaesthesia & ICU (Auckland DHB, 2010 – 2011)

Fellow, Regional Anaesthesia (Waitemata DHB, 2010)

ATY3 / Fellow (Taranaki DHB, 2009)

ATY2 Anaesthetic Registrar (Auckland DHB, 2008)

ATY1 Anaesthetic and ICU Registrar (Capital & Coast DHB, 2007)

BTY2 Anaesthetic Registrar (Midcentral DHB, 2006)

BTY1 Anaesthetic Registrar (Nelson Marlborough DHB, 2005)

SHO (United Kingdom, West Coast DHB, Midcentral DHB, 2001 – 2004)

Intern / RMO (Geelong Hospital, Australia, 1999 – 2001)

ADDITIONAL ROLES

Short Term Surgical Mission Trip, Labassa, Fiji (2014)

Inagural Trainee Representative, NZ Society of Anaesthetists (2009-10)

Merit in ANZCA Primary Exam (2005) and **ANZCA Final Exam** (2008)

RESEARCH / AUDIT

Masters research project: **“What risk information do patients want to know when considering high risk surgery”**, University of Auckland / ADHB (Ongoing)

- + Qualitative interview based study.
- + Data collection performed

“An overview of the anatomy of the suprascapular and axillary nerves using ultrasound and magnetic resonance imaging”, Waitemata DHB

- + Poster presented at New Zealand Anaesthesia ASM 2011

“Preventing perioperative hypothermia”, Taranaki DHB

- + Awarded NZSA Quality Assurance prize at Annual Registrars Meeting, Auckland 2009

PROFESSIONAL DEVELOPMENT

FANZCA Continuing Professional Development Program (2010-current)

NHS Innovation and Healthcare Expo (Manchester, 2018)

Digital Health Summer School (Birmingham, 2018)

Cybersecurity in Health, (Auckland, 2017)

Emerging Tech in Health, (Wellington, 2017)

Regional Anaesthesia Cadaver Workshop (Melbourne, 2016)

ANZCA Educators Program (Brisbane, 2016)

Effective Management of Anaesthetic Crises (Auckland, 2015)

MOET: Managing Obstetric Emergencies and Trauma (Melbourne, 2013)

CMHSE Fundamentals of Clinical Teaching (Auckland, 2011)

Int Symposium on Spine and Paravertebral Sonography (Hong Kong, 2010)

Care of the Critically Ill Patient (CCRIP) Course (Auckland 2008)

REFEREES

Dr Charles Bradfield

Specialist Anaesthetist and Clinical Director of Adult & Emerg Anaesthesia and Operating Rooms

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