

# CURRICULUM VITAE

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Dr. Manisha M. Kumar

MBBS, MD (Anaesthesia), FRCA, LLM (Medical Law and Ethics)

## ***Personal details***

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## ***University Education***

M.B.B.S. with a Distinction in Pharmacology	University College of Medical Sciences Delhi University 1989
M.D. (Anaesthesiology)	All India Institute of Medical Sciences New Delhi 1992
Fellow of the Royal College of Anaesthetists	1998
CCST	Jan 2003
LLM (Medical Law and Ethics)	University of Edinburgh 2020
Medicolegal Report Writing	InspireMedilaw 2022
Annual Expert Witness Conference	Bond Solon 2024

## *Training*

I graduated from the University College of Medical Sciences, University of Delhi in April 1989, with a distinction in pharmacology.

I did my post-graduation **MD** (Anaesthesiology) from the All India Institute of Medical Sciences, New Delhi, India 1989-1992. I undertook another three years of Senior Residency at AIIMS, completing my anaesthetic training.

In the UK, I undertook training all over again. I completed the **FRCA** in 1998. I received my **Certificate of Completion of Specialty Training** in Anaesthetics and Intensive Care in January 2003.

I have had an interest in the ethical and legal aspects of medicine and have recently completed an **LLM in Medical Law and Ethics** from the University of Edinburgh. During this course, I undertook additional modules on Regulation of Healthcare Professionals, Shaping of Modern Healthcare and Governance of Innovative Medicine. I wrote my dissertation on '*Legal and Ethical aspects of the Role of System Failure in Gross Negligence Manslaughter*'.

## *Membership of professional organisations*

Association of Anaesthetists of Great Britain and Ireland

Obstetric Anaesthetists' Association

Difficult Airway Society

North of Scotland Society of Anaesthetists

Medical protection Society

## *Present Post*

I have been a Consultant in Aberdeen, Scotland since Feb 2003. My areas of expertise include **Obstetrics & Gynaecology, Orthopaedics, ENT/Airways and Thoracic Anaesthesia, along with the Legal and Ethical aspects of Medicine.** I have led the development of **simulation scenario-based training** -in the areas of **Human Factors, Obstetrics, Difficult Airways** and **One Lung Ventilation.**

I was the **Clinical Lead for Obstetric Anaesthesia** in Aberdeen for five years. Currently, I am the **Portfolio Clinical Director for Governance in Medicine,** which is a management role in the wider hospital.

I have practicing privileges for private work which I undertake at the BMI (Albyn) hospital in Aberdeen.

I was involved in setting up a group to support colleagues with ethical dilemmas in our health board (**Supporting Ethical Decision making**) during the current Covid pandemic. Based on the National and Scottish Ethical Guidance Framework, we support NHS Grampian's system response to the COVID-19 Pandemic looking at minimising harm, maintaining safety, preserving lives and enabling learning and recovery. We provide support to colleagues dealing with such ethical issues in everyday practice. We have been running a 24 x 7 service for the entire North of Scotland, including islands. I have been **Chairing** this group since October 2023. I am the **Chair of Acute Sector Clinical Governance Committee** in NHS Grampian overseeing governance aspects across all specialty areas in the Acute sector. This involves moderating highlighted clinical governance issues, identifying system risks and escalating concerns to higher management. All completed Level 1 investigations are presented to this committee for approval. I have also been setting up and leading a significant number of Level 1 investigations into adverse events.

## *Private Practice*

I have practicing privileges for private work which I undertake at the BMI (Albyn) hospital in Aberdeen. I have been working in the Private setup for over fifteen years. My practise has included working in the subspecialty areas of Orthopaedics, gynaecology, general surgery, ENT and urology.

## *Professional Responsibilities*

### **Educational Role**

I am an **Examiner for the Final FRCA at the Royal College of Anaesthetists**, currently the **Lead** for Clinical Questions section of the exam.

I have had an active role in teaching and training undergraduate medical students and postgraduate trainees. I have been the **College Tutor** (appointed by the Royal College of Anaesthetists) for seven years. This involved overseeing the training of about 40 Specialty trainees in the North of Scotland Deanery, including their assessments. I have been an **Educational Supervisor** responsible for four trainees for the last fifteen years. I have also been delivering tutorials and running educational workshops for the trainees and running workshops for other Educational Supervisors.

I have been teaching and running workshops at the **NES Medical Education workshops** on subjects ranging from Education to Governance for the last three years.

I have been the Supervisor for **Training in the Obstetric Anaesthesia** Module at Basic, Intermediate, Higher and Advanced levels for more than ten years.

I am on the **Faculty for the Obstetric Anaesthesia Training Simulator course** at the **Scottish Simulator centre** teaching technical as well as non-technical aspects of anaesthetic practice and team working. I have set up the course locally and have been running it twice a year for the last five years.

I was the **Organiser for the Association of Anaesthetists' Core Topics Meeting** in Aberdeen in February 2020.

I was the co-organiser for **the joint RCOA-AAGBI meeting in Aberdeen** in November 2017.

I have set up the '**One Lung Course**' for trainees and the occasional Thoracic Anaesthetists in Aberdeen and have been running it every year since 2016. This is based on the One Lung UK course and has been accredited by the Royal College of Anaesthetists.

I have been on the **Obstetric Anaesthetists' Association subcommittee for National Surveys** that assesses and vets OAA based surveys and oversees the conduct of these surveys at a national level. I have written numerous **Guidelines for management of Obstetric Anaesthesia and Analgesia**, some of which have been published on the **OAA website**.

I am involved in teaching practical skills to 4<sup>th</sup> and 5<sup>th</sup> year medical students in the operating theatre environment during their anaesthetic attachment as well as giving tutorials on the anaesthetic topics, which are part of the 4<sup>th</sup> year curriculum.

I have participated in Basic Life Support teaching, which is run by our department for all medical students.

I am an examiner for Phase II, III and IV OSCE's

I have been teaching on the Professional Practice Development block for fifth year medical students, teaching aspects of professionalism and communication.

I have been regularly involved in the **appointment process for Core and Specialty Trainee appointments** since 2007.

## **Patient Safety and Governance**

I have recently taken over as **Chair of Acute Sector Clinical Governance Committee** for NHS Grampian. This involves chairing monthly meetings discussing and progressing governance issues across all specialty areas in the

Acute Sector. This involves moderating highlighted clinical governance issues, identifying system risks and escalating concerns to higher management. I am responsible for overseeing and undertaking investigations into incidents, significant events and responses to complaints. All completed Level 1 investigations are presented to this committee for approval.

I am the **East of Scotland Lead for the Safe Anaesthesia Liaison Group**.

I am an active member of the **Quality Improvement** group in the Department, leading multiple QI projects.

I was the **Editor for Chapter 2 and author of sections in the Raising the Standards, Royal College of Anaesthetists Quality Improvement Compendium published in 2020**.

I was a **Co-author for the RCOA document 'Guidelines for the Provision of Anaesthesia Services for Intra-operative Care 2016**, updated in 2019.

I am on the **Critical Incidents Committee and the Governance Committee** in my department and am quite passionate about analysing why things go wrong and learning from those incidents. I have been instrumental in disseminating the information to the rest of the department in the form of Reports, Educational and Morbidity and Mortality meetings. We have also set up a **Scottish Anaesthesia Quality and Safety Group** which is responsible for the same on a Scotland-wide level.

I have been involved in numerous **Significant and Adverse Event Analysis**. I am well versed with the requirements of GMC's Good Medical Practice and other Guidance documents. I have received training for the management of Adverse events, and also Significant Event Analysis. I have also been on training sessions with the **Scottish Patient Safety Organisation (SPSO)** in relation to investigation and handling of patient complaints.

I have had extensive experience of **handling complaints** and patient feedback in my role as the Clinical Lead of Obstetric Anaesthesia, which is an area of high litigation. I am actively involved in the same as the Unit Clinical Director in

Medicine. I have frequently organised meetings with the complainants with a view to resolve the situation.

I am on the **Clinical Risk Management** Group in NHS Grampian, responsible for handling **incident investigations (Level 1 and 2), complaints and Duty of Candour** situations from all over Grampian.

I have been trained and am on **Fitness to Practice panel for Medical Students** at Aberdeen University. I have regularly been on and have led panels to assess Fitness to practice issues amongst Medical Students and refer them to the GMC when required.

I was involved in setting up a group to support colleagues with ethical dilemmas in our health board (**Supporting Ethical Decision-Making Group**) at the start of the Covid Pandemic. Based on the National and Scottish Ethical Guidance Framework, we support NHS Grampian's system response to the COVID-19 Pandemic looking at minimising harm, maintaining safety, preserving lives and enabling learning and recovery. We provide support to colleagues dealing with such ethical issues in everyday practice. We are running a 24 x 7 service covering the entire North of Scotland, including the islands. We have been having weekly meetings to discuss ethical issues as they arise.

I sit of the **Scottish Anaesthesia Quality and Safety Group as the Obstetric Anaesthesia Representative.**

I am the **Departmental Lead for Awareness under Anaesthesia**, which is a rare occurrence but is something the patients and anaesthetists always worry about. We also deal with the long-term consequences of it, should it occur.

I am the NHSG **Cell Salvage Lead** and have been participating in the **Hospital Transfusion Committee** meetings.

I **Co-chair of the UK Cell Salvage Group** and am involved in writing guidelines and conducting national surveys for the same. We have recently completed the survey and are processing the data to publish the results. The UK Cell Salvage



Group is a national group that was set up two decades ago and has been leading on providing educational material and developing the service nationally.

### Medicolegal work

For the last four years, I have been giving medicolegal expert advice for the legal firms and Parliamentary and Health Service Ombudsman. This has involved going through case notes and advising on the appropriateness of the clinical actions taken, identifying any breach of duty and negligence.

I have written over fifty Medico-legal expert reports over the last three years. All of these have been for the claimants.

I am on the GMC panel of Medicolegal experts for the Tribunal Investigations.

### Management experience

In March 2015, I took over as the **Clinical Lead for Obstetric Anaesthesia** in Aberdeen. This was a mammoth task as apart from being an understaffed busy unit, we are in process of building a new 'women's hospital' which will cater to all Obstetric and Gynaecological services. I have been the **Lead Consultant looking after the Obstetric Anaesthetic Antenatal Counselling Clinic**. I was personally responsible for delivering most of this service. We counsel women with co-existing diseases, obstetric and anaesthetic issues and any other concerns. As per NICE guidelines we are counselling all high BMI ladies as well. This has resulted in higher maternal satisfaction and safer provision of care.

I am the **Departmental Lead for Awareness under Anaesthesia**. Awareness is a rare occurrence but is something the patients and anaesthetists worry about. We also deal with the long-term consequences of it, should it occur.

I am the **NHS Grampian Lead for Cell Salvage**. I oversee the provision of this service in the Grampian region. We have been successful in expanding this service to encompass orthopaedic, vascular and Obstetric theatres. We have been hugely successful in reducing the need for blood transfusion and making the service safer and cost-effective. I have been participating in the **Hospital Transfusion Committee** meetings. I have been an active member of the **UK Cell Salvage Action Group** and in 2020, I was appointed **Co-chair** of the group.

I have been responsible for organising and managing the **Daytime rota for the Anaesthetic Department**, which involves allocating more than 100 anaesthetists to cover all areas of service including more than 25 operating theatres each day. This was a complex task as it involved provide in ha safe and efficient service to a large teaching hospital. With the stress of waiting times and targets and an ever-expanding service, this was a stressful and onerous task.

I have been actively involved in policy decisions and the management of Anaesthetic services at the Maternity Hospital. I have been responsible for the drawing up of Evidence based Anaesthetic Guidelines at the Maternity Hospital, some of which have been on the OAA website as well.

Currently, I am the **Portfolio Clinical Director for Governance across the Portfolio of Medicine and Unscheduled Care**, which is a management role in the wider hospital. This has included management of Adverse events, commissioning and conducting investigations, Clinical Governance and Duty of Candour issues.

I have had extensive experience of **handing complaints** and patient feedback in my role as the Clinical Lead of Obstetric Anaesthesia, which is an area of high litigation. I am actively involved in the same as the Unit Clinical Director in

Medicine. I have frequently organised meetings with the complainants with a view to resolve the situation.

I am on the **Clinical Risk Management** Group in NHS Grampian, responsible for handling **incident investigations (Level 1 and 2), complaints and Duty of Candour** situations from all over Grampian.

I have been a **National Panellist/ External Advisor for Consultant Appointment Advisory Committee.**

I was instrumental in setting up a group to support colleagues with ethical dilemmas in our trust (**Supporting Ethical Decision making**). Based on the National and Scottish ethical Guidance framework, we offer support to colleagues dealing with such ethical issues in day-to-day life. We are running a 24 x 7 service covering the entire North of Scotland, including the islands.

I have been the **Honorary Secretary of NESSA (North East of Scotland Society of Anaesthetists)** responsible for organising three meetings each year including an educational day for the trainees and a Poster Competition.

I have been an **Appraiser** since 2007 and have been appraising five to six consultant colleagues each year. This includes ensuring that colleagues meet the guidelines of the local responsible officer and GMC. I am trained to be a National Appraiser and am doing Extended Appraisals for Revalidation. I have also been involved in training Appraisers.

### ***Research Ongoing***

'Comparison between cardiac output and haemodynamic parameters in obese vs. non-obese parturient

M Kumar, N Kirodian.

## Publications, Presentations and Lectures delivered

- Does Cerebral Oximetry help define a safe blood pressure for shoulder surgery in the beach chair position. David Gorman, Manisha Kumar Presented at Winter Scientific Meeting of the Association of Anaesthetists - 2025  
Was awarded first prize for this.
- Information sharing and consent for anaesthesia: patient perceptions and satisfaction. David Gorman, Manisha Kumar Presented at Winter Scientific Meeting of the Association of Anaesthetists -2025
- Talk on 'Anaesthesia for Laryngeal Surgery' November 2024 at the Indian Society of Anaesthesia Annual Conference.
- Panel discussion on 'ethical issues in end-of-life care' November 2024 at the Indian Society of Anaesthesia Annual Conference.
- Kumar MM, Choksey F, Jones A, Carroll C, Brownhill B, Cairns E, Bark J, Coffey K, Webster L, Wood L, Chambers M, Haynes S, Gormley S. Intraoperative cell salvage: a survey of UK practice. Br J Anaesth. 2024 May;132(5):995-997. doi: 10.1016/j.bja.2024.01.042. Epub 2024 Mar 12. PMID: 38471988.
- Presented 'Intraoperative Cell Salvage: A Survey of UK Practice' at the Winter Scientific Meeting of the Association of Anaesthetists -2024  
Was awarded first prize for this.
- Talk on 'Anaesthesia for patients with Diabetes' at ISACON 2023
- Talk on 'Cell Salvage- the current UK position' at the Association of Anaesthetists meeting November 2022
- Chapter on 'Tubeless anaesthesia for laryngeal surgery' for the 11<sup>th</sup> issue of the yearbook of Anaesthesiology 2021

- Distributive justice-Ethical and Legal Challenges at the ISACON Delhi 2021
- Kumar MM (2021) Healthcare Workers have Become. Covid Victims: Are we Failing Them? J Anes Rese 1: 002.
- Panel discussion 'Moral and Ethical challenges for Anaesthesiologists working with the Covid Pandemic': webinar organised by the International Chair in Bioethics 2021
- Talk on 'Human Factors and Airway Disasters': Indian Society of Anaesthesia Annual Conference, October 2020
- DISSERTATION for LLM: Legal and Ethical aspects of the Role of System Failure in Gross Negligence Manslaughter
- Editor for Chapter 2 and author of sections in the Raising the Standards, RCOA quality improvement Compendium 2020
- Organised the Core Topics Meeting of the Association of Anaesthetists in Aberdeen Feb 2020
- Lung Left Behind: Presentation at AAGBI Trainee Conference 2020
- Lung left Behind: Scottish Airway Group Annual Meeting 2020
- Reflective Practice: How should we do it: NES Medical Education Conference 2019
- Blood transfusion practice in AMH-Reaudit 2016 Dr Glory Roberts, Dr M Kumar and Dr N Kirodian
- Co-author for the RCOA document 'Guidelines for the Provision of Anaesthesia Services for Intra-operative Care 2016, revised in 2019.
- Guidelines for the Management of Back Pain in the Ante-natal patient 2016
- Guidelines for Enhanced Recovery for Caesarean Section 2015
- Patient Information Leaflet for Enhanced Recovery for Caesarean Section 2015
- Postop analgesia after ACL repair: a survey of various regimes used: poster presentation at NESSA 2013 Manisha Kumar, B Niazi
- Airway obstruction, caesarean section and thyroidectomy. Hendrie MA, Kumar MM. Int J Obstet Anesth. 2013 Nov;22(4):340-3

- Airway Obstruction secondary to a large multinodular goitre in a pregnant patient: Poster presented at the Difficult Airway Society Meeting 2012; Also presented at the Winter Scientific Meeting 2013
- Abstract published in Anaesthesia 2013; 68(2) 29
- Poster presentation: An audit of Blood transfusion triggers at the Aberdeen Maternity Hospital NESSA 2011
- Poster presentation SSA 2009: Comparison of efficacy of epidural infusion versus PCEA for labour analgesia. Manisha Kumar, Nalin Sharma
- Poster presentation SSA 2007: Audit of Training in Obstetric General Anaesthetics. R Pratap, Manisha Kumar
- Poster presentation SSA 2006: Survey of Anaesthetist's attitude towards Awareness and BISS monitoring. Shiela Black, Manisha Kumar
- Study of Comparison of Epidural Analgesia uptake during labour with Nazreth Hospital and a review of the analgesia options available. Project with an Elective Medical Student 2008
- Comment on Treatment of Neurocardiogenic syncope Anaesthesia 2007:62(6), 633
- Neurocardiogenic syncope in the Obstetric patient. Luna Saqr, Manisha M Kumar Anaesthesia 2007 Jan:62(1), 79-84
- Comparison of cuffed, uncuffed tracheal tubes and laryngeal mask airways in low flow pressure controlled ventilation in children. TE Engelhardt, G Johnston, Manisha M Kumar; Paediatric Anaesthesia 2006 Vol 16, issue 2, 140-143
- Combined spinal epidural anaesthesia for elective caesarean section in a patient with spondylometaphyseal dysplasia Kumar, Manisha M; Forster, MR  
International Journal of Obstetric Anesthesia, 2002 11(3): 225-227.

- Caesarean section under Regional anaesthesia. Kumar Manisha, MacLennan FM. International Journal of Obstetric Anaesthesia 2001 Oct.
- Epidural administration of methylprednisolone for the management of low back pain with radiculopathy. Mehta Manisha, Dureja GP. J Anaesth Clin Pharmacol 1993, 9(2): 117-122
- Changes in arterial oxygen saturation during induction of anaesthesia and intubation. Narayan V, Kashyap L, Mehta M J Anaesth Clin Pharmacol 1993, 9(1): 31-34.
- THESIS: Epidural administration of Methylprednisolone for the management of Acute and Chronic Low Back Pain with radiculopathy.1992

## Quality Improvement Projects

- Perioperative Anaphylaxis Knowledge survey 2024
- Patient perception of preoperative information provided at the Preop Assessment Clinic 2024
- Morbidity and Mortality processes across NHS Grampian 2022
- Monitoring of Cerebral oximetry during shoulder surgery in the beach chair position 2022-23
- National Survey on Intraoperative cell salvage 2021
- Use of Remifentanyl PCA for analgesia in labour 2019
- Post op monitoring of patients after intra-thecal opiates in obstetrics 2018
- Perioperative Anaemia in the Obstetric Population 2018
- Enhanced Recovery after Caesarean Section: Audit 2016
- Blood transfusion practice in AMH-Reaudit 2016 Dr Glory Roberts, Dr M Kumar and Dr N Kirodian
- Guidelines for the Management of Back Pain in the Ante-natal patient 2016
- Guidelines for Enhanced Recovery for Caesarean Section 2015
- Patient Information Leaflet for Enhanced Recovery for Caesarean Section 2015
- Survey of the midwives knowledge and attitude towards the use of epidural analgesia in labour 2015
- Survey of the midwives knowledge and attitude towards the use of Remifentanyl PCA for analgesia in labour 2015
- Survey of the incidence of anaemia in the pregnant patients in AMH 2015
- Survey of the incidence of anaemia in the elective orthopaedic patients 2015
- Audit of the Blood transfusion practice in elective orthopaedics 2015



- Closing the loop of the audit of Blood transfusion practice at Aberdeen Maternity Hospital 2014
- Postop analgesia after ACL repair: a survey of various regimes used: poster presentation at NESSA 2013 Manisha Kumar, B Niazi
- Audit of the uptake of Epidurals for labour analgesia and the time delay in the patient getting an epidural, looking at Patient Satisfaction: 2012
- Audit of the uptake of Remifentanil for labour analgesia: 2012
- Analgesia for Anterior cruciate Ligament Repair: an audit 2012
- Audit of the use of Labour epidurals for operative delivery-looking at the time taken to top up epidurals with respect to decision to delivery intervals and to look at what can be done to reduce it: 2012
- Audit- closing the loop on a previously done audit on compliance of administration of prescribed analgesia and DVT prophylaxis for postop caesarean section patients; 2011
- Audit of post dural puncture headaches and their management at AMH 2011
- Blood transfusion in the maternity unit 2010
- Compliance of administration of post op analgesia in AMH 2008
- Audit of conversion of epidural analgesia for operative delivery 2008
- Compliance of administration of post op DVT prophylaxis in AMH 2008
- Efficacy of PCEA for analgesia in labour 2007
- Audit of Block height accepted for caesarean section 2007
- Survey of Anaesthetists' attitude towards Awareness and BIS monitoring 2005
- Patient Survey of Awareness 2005