

CURRICULUM VITAE



AISWARYA D MALLYA

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Personal Information

Date of Birth: 30-04-1998
Sex : Female
Nationality : Indian
Marital Status: Married
Languages : English, Konkani,
Malayalam
Hindi, Tamil

Personal Strengths

Loyal & committed
Accepts responsibility
Pleasing Personality
Leadership Qualities

Objective

Ambitious, determined, and self-motivated, young, Anaesthesia Technologist seeking a responsible and challenging position to utilize and enhance upon my skills and abilities in a multi-specialty hospital with international standards.

Professional Qualification

Bachelor's degree (BSc) Anaesthesia Technology

Institution: Amrita Institute of Medical Sciences [AIMS],
Healthcare Campus, Kochi, Kerala, India.

University: Amrita Vishwa Vidyapeetham,
HQ: Coimbatore, Tamil Nadu, India.

Duration: Three years plus One year Internship

Course Period: August 2016 – August 2021

Professional Experience

- * **One-Year Internship at AIMS, Ponnekkara, From Oct 2020 to Oct 2021.**
- * **Anaesthesia Technician at ASTER MEDCITY, Cheranalloor**
(From **16MAY2022** to **31OCTOBER2023**)

AIMS is a NABL, NABH and NAAC, accredited ISO 9001:2000 certified 1200 bedded multi-specialty hospital. The Department of Anaesthesia at AIMS is of international standards and has one of the most technologically advanced programs in the country. (www.aimshospital.org)

Educational Qualifications

COURSE	UNIVERSITY/BOARD	YEAR
BSc. Anaesthesia Technology	Amrita Vishwa Vidyapeetham	2021
Higher Secondary	Chinmaya Vidyalaya	2016
Matriculation	Chinmaya Vidyalaya	2014

Academic Project

Did An Audit On "**Fiberoptic Bronchoscopy Under Anaesthesia**"

Clinical and Technical Skills

- ❖ Maintain and organize the anaesthesia environment, equipment, supplies and personnel to facilitate department functions.
- ❖ Responsible for all anaesthesia procedures, pharmacy, materials, and equipment related to anaesthesia.
- ❖ Patient transfer and Post operative care and monitoring.
- ❖ Communicate with other OT staff and In-charge for better service and work as a team.
- ❖ Follow the guidelines of hospital organization environment of care.
- ❖ Maintain the sterile supplies within the expiry date.
- ❖ Inventories, orders and maintain departmental stock supplies consistent with departmental demand.
- ❖ Maintain records of or has access to all preventive maintenance records.
- ❖ Maintain an inventory of equipment used by anaesthesia to track repairs, loans and demos.
- ❖ Provide orientation and training to new staff and personnel.
- ❖ Maintain pharmacy drugs within their expiry date and properly disposes of used drugs.
- ❖ Provide perioperative technical support to anaesthesia providing staff for delivery of patient care.
- ❖ Follow accreditation policies and procedures, sentinel events, national accreditation goals, environment of care directly related to anaesthesia and patient safety.
- ❖ Maintain the availability of necessary equipment in each operating room.
- ❖ Follow standard sterile precautions.
- ❖ Prepare and assembles transducer lines and equipment necessary for invasive pressure monitoring as necessary. Has working knowledge of hemodynamic monitoring and can perform cardiac calculations.
- ❖ Demonstrate detailed technical knowledge and trouble shooting ability for anaesthesia delivery system, scavenging system, gas analyzer, ECG monitor, pulse oximeter and rapid infusion devices.
- ❖ Make available, assemble and assist with operation of specialized equipment such as humidification units, fiberoptic bronchoscope, ultrasound for anaesthesia procedures (vascular access and nerve blocks), rapid infusion devices, neuromuscular monitoring devices; infusion pumps and syringe pumps; initial setup of Trans Oesophageal Echocardiogram.
- ❖ Demonstrate speed and timeliness in all duties, particularly in preparation for emergencies and trauma procedures.

EQUIPMENT HANDLED

- Anaesthesia Machine: Datex Ohmeda (Aestiva/Avance) Excel 80, Excel 110, Excel 210, Drager perseus ,primus,fabius ,Spacelab
- Anaesthesia Ventilator
- ICU ventilators like Siemens 300, Siemens 900C, PB 840, PB 740, and Maquet ,GE.
- Multi channel monitors: Space labs, Datex Ohmeda, Philips
- Continuous cardiac output Monitors (Edwards Lifesciences)
- Noninvasive cardiac output monitors (Flow-track; Edwards Lifesciences)
- Thrombo Elasto Gram Analyzer (Haemoscope)
- Forced air warming systems (Bair hugger), over head warmers, fluid warming system (Hotline)
- Rapid pressure level infusion system
- Fiberoptic Bronchoscopes, Trans oesophageal echocardiogram probe (TOE)
- Various airway equipment like ILMA, Proseal LMA, Combitubes, Double lumes tubes, Bronchial blockers and Fogarty etc. Flexible tracheal tubes , Nasal RAE tubes , Oral RAE tubes, Univent tubes, LASER tubes, Micro laryngeal tubes
- Retrograde intubation set, Cricothyroidotomy set, tube exchangers and Bougie.
- Various oral and nasal airways, face masks
- Laryngoscopes: - Mackintosh, Millers, Optical laryngoscope, Fibro-optic
- Different breathing circuits like Jackson Ree's circuit and Bain's circuit.
- ETCO₂ monitors :- (Space lab ,Capno check, Datex Ohmeda)
- Defibrillators (Code master, Philips)
- AEDS and Pace makers.
- Electro surgical unit (Valley lab)

CASES HANDLED

CASES HANDLED IN DIFFERENT DEPARTMENTS SUCH AS:-

Cardiothoracic – CABG, MVR, AVR, DVR, Bendall procedure, Pneumonectomy, Lobectomy, Aortic Aneurysm repair.

Paediatric cardiothoracic – ASD and VSD closure, PDA Ligation, ICR, BT shunt, TAPVC Repair, BDGS, Fontan, ALCAPA, Norwood procedure.

Neurosurgery – Craniotomy, Craniectomy, Aneurysm Clipping, VP shunt, Transphenoidal surgeries.

Orthopedics – Hip and Knee replacements, Arthroscopic surgeries, Spine surgeries, Scoliosis repair, polytrauma cases.

Paediatric Surgery – Hernia, Hydrocele repairs, Circumcision, Kasai's procedure, Nephrectomy, Hypospadias repair, Ureteric reimplantation, Pyeloplasty, Cleft lip and palate correction, genital reconstruction.

Obstetrics – Emergency and elective LSCS, Labour epidurals, Hysterectomies, Ovarian surgeries, D&C.

ENT – Adenotonsillectomy, FESS, Laryngeal surgeries, Septorhinoplasty, Mastoidectomy, Flexible scopy in spontaneously breathing patients.

Oromaxillofacial Surgery – Mandibulectomy, Maxillectomy, Lefort fracture repairs, Facial reconstruction

Plastic and Reconstructive surgery – Various flap surgeries, hand surgeries, vascular emergencies.

Urology – URS, Cystoscopy, TURP, TURBT, Nephrectomy, Prostatectomy

GI Surgery – Oesophagogastrectomy, Cholecystectomy, Appendectomy, Colectomy, Small bowel surgeries, Anterior resection, Pancreatic surgery, Whipples's procedure, Hepatectomy, Retroperitoneal resection

Laparoscopic surgery – Gastrointestinal surgery, Urology, Gynaecology, Bariatric surgery

Robotic surgery – Urology, Gynaecology, Gastro surgery, Thoracic surgery and Oncosurgery

Organ Transplantation – Heart transplantation, Liver transplantation (Live and deceased donor), Kidney transplantation (Live and deceased donor), Simultaneous Pancreas and Kidney transplantation, Small bowel transplantation, Hand transplantation, and Combined Heart and Kidney transplantation

General Surgery and Oncology – Thyroidectomy, Mastectomy, Parotidectomy, Varicose vein surgery, Hernia and Hydrocele repair, Haemorrhoidectomy

Emergency and Trauma Care – Polytrauma surgery

Outside OR procedures – Endoscopy, ERCP, MRI, CT Scans, PET CT, Nuclear Scans, Radiotherapy, Interventional radiology, Cathlab, Electroconvulsive therapy (ECT).

Problems faced as an Anaesthesia Technician

Difficult intubation	: Obese patients, abnormalities of jaw, Faciomaxillary trauma, Patients with cervical disc problem, Protruded tooth, restricted mouth opening etc
Rapid sequence Induction	: Full stomach patients, emergency surgeries.
One lung Ventilation	: For lung procedures, Thoracic spine
Surgeries esophageal gastrectomy etc.	

Hypotensive Anaesthesia	: Tympanoplasty, spine surgery etc.
Blood / fluid loss and shock	: Trauma, Neurosurgery, liver and Transplant surgeries, open cardiac surgeries, etc.
BLS and ACLS	: Trauma victims Drug reactions ICU patients Intra operative causes like bleeding, Cardiac arrest
CVP, ABP, PA, CCO and IABP	: Patients for major surgeries, Anticipating haemodynamic changes. ICU patients, cardiac failure patients, Open heart surgeries Transplant surgeries (kidney and liver)

Treat the patients with ischemic heart diseases, Pneumothorax, Haemothorax, liver failure renal failure, COPD, bronchospasm, Laryngospasm etc.

Proficiency in

- Performing Basic Cardiac life support (BLS) and assist for advanced cardiac life support (ACLS) and for pediatric advanced cardiac life support (PALS).
- Organize and co-ordinates the use of anaesthesia personnel.
- Performing inspection and maintenance of the anaesthesia gas delivery systems.
- Assisting the anaesthesia provider with intra operative fluid management including volume resuscitation.
- Purpose, use and care of physiological monitor relating to the administration of anaesthesia.
- Biological hazards, infection control and standard precautions.
- Setting up and troubleshooting the intra aortic balloon pump.
- Ethical and legal issues and responsibilities.
- Demonstrates team leadership skills
- Demonstrates required management skills.

- Participates in developing continuing education/formal education programs.
- Demonstrates knowledge of regulatory acts as they affect patients and staff.
- Participates on hospital committees.
- Fire, electrical, laser and explosion hazards in the operating room and other anaesthesia related areas.
- Storage, use and safe handling of bulk and cylinder gases.
- Structure function and are of all components of anaesthesia delivery systems.
- Sterile technique and the principals of aseptic practice.
- Usage of common anesthetic gases.
- Type and indications for local, monitored anaesthesia care (MAC), regional and general anaesthesia.
- Principles of purchasing and maintaining supplies.
- Communication skills.

References

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Declaration

I hereby declare that the above mentioned information's are true to the best of my knowledge and belief.

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[Aiswarya D Mallya]