

Module 1

82 Sessions

Introduction to Clinical Anaesthesia

01 The Operating Theatre Environment

Date Completed

01 Principles of safe practice and the role of the anaesthetist

| | | | |
|----------|--|-----|--------------------------|
| 01_01_01 | The anaesthetist and the theatre team | / / | <input type="checkbox"/> |
| 01_01_02 | Preparation and usage of equipment and drugs | / / | <input type="checkbox"/> |
| 01_01_03 | General theatre conduct | / / | <input type="checkbox"/> |

02 Basic Science for Novice Trainees

Date Completed

02 Anatomy essentials

| | | | |
|----------|---|-----|--------------------------|
| 01_02_01 | Anatomy of the airway | / / | <input type="checkbox"/> |
| 01_02_02 | Anatomy of the lungs and respiratory system | / / | <input type="checkbox"/> |
| 01_02_03 | Anatomy of the heart and major vessels | / / | <input type="checkbox"/> |

03 Physiology essentials

| | | | |
|----------|--|-----|--------------------------|
| 01_03_01 | Cardiovascular physiology | / / | <input type="checkbox"/> |
| 01_03_02 | Respiratory physiology | / / | <input type="checkbox"/> |
| 01_03_03 | Oxygen transport and consumption | / / | <input type="checkbox"/> |
| 01_03_04 | Physiology of the neuromuscular junction | / / | <input type="checkbox"/> |
| 01_03_05 | Autonomic nervous system physiology | / / | <input type="checkbox"/> |

04 Pharmacology essentials

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|----------|---------------------------------|-----|--------------------------|
| 01_04_01 | Premedication | / / | <input type="checkbox"/> |
| 01_04_02 | Intravenous induction agents | / / | <input type="checkbox"/> |
| 01_04_03 | Inhalational anaesthetic agents | / / | <input type="checkbox"/> |
| 01_04_04 | Perioperative analgesia | / / | <input type="checkbox"/> |
| 01_04_05 | Neuromuscular blocking agents | / / | <input type="checkbox"/> |
| 01_04_06 | Local anaesthetic agents | / / | <input type="checkbox"/> |
| 01_04_07 | Drugs used in an emergency | / / | <input type="checkbox"/> |
| 01_04_08 | Intravenous fluids | / / | <input type="checkbox"/> |

05 Physics essentials

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|----------|-------------------|-----|--------------------------|
| 01_05_01 | Gases and vapours | / / | <input type="checkbox"/> |
| 01_05_02 | Electrical safety | / / | <input type="checkbox"/> |

03 Anaesthetic Equipment for Novice Trainees

Date Completed

06 The anaesthetic machine

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|----------|---|-----|--------------------------|
| 01_06_01 | Medical gas supplies | / / | <input type="checkbox"/> |
| 01_06_02 | Gas and vapour controls | / / | <input type="checkbox"/> |
| 01_06_03 | Breathing system components | / / | <input type="checkbox"/> |
| 01_06_04 | Common breathing systems | / / | <input type="checkbox"/> |
| 01_06_05 | Principles of IPPV | / / | <input type="checkbox"/> |
| 01_06_06 | Ventilator settings and alarms | / / | <input type="checkbox"/> |
| 01_06_07 | Filters, humidifiers and scavenging systems | / / | <input type="checkbox"/> |

07 Monitoring

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|----------|--|-----|--------------------------|
| 01_07_01 | Basic monitoring: ECG, SPO2 and blood pressure | / / | <input type="checkbox"/> |
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| 55901_07_02 | Gas monitoring: O2, CO2, and anaesthetic agents | / | / | <input type="checkbox"/> |
| 01_07_03 | Nerve stimulators and temperature monitoring | / | / | <input type="checkbox"/> |
| 08 Preoperative equipment check | | | | |
| 01_08_01 | Checking the anaesthetic machine | / | / | <input type="checkbox"/> |
| 01_08_02 | Checking other anaesthetic equipment | / | / | <input type="checkbox"/> |
| 01_08_03 | Common equipment problems | / | / | <input type="checkbox"/> |

04 Preoperative Assessment and Management

Date Completed

09 Preoperative assessment

| | | | | |
|----------|---|---|---|--------------------------|
| 01_09_01 | General preoperative measures | / | / | <input type="checkbox"/> |
| 01_09_02 | The purpose of preoperative visiting | / | / | <input type="checkbox"/> |
| 01_09_03 | History and examination | / | / | <input type="checkbox"/> |
| 01_09_04 | Prediction of a difficult airway | / | / | <input type="checkbox"/> |
| 01_09_05 | ASA grading and preoperative investigations | / | / | <input type="checkbox"/> |
| 01_09_06 | Risk and consent | / | / | <input type="checkbox"/> |

10 Higher risk patients

| | | | | |
|----------|--|---|---|--------------------------|
| 01_10_01 | Higher risk groups: cardiovascular and respiratory disease | / | / | <input type="checkbox"/> |
| 01_10_02 | Higher risk groups: other miscellaneous conditions | / | / | <input type="checkbox"/> |
| 01_10_03 | Higher risk groups: extremes of age and emergency surgery | / | / | <input type="checkbox"/> |

05 Induction of Anaesthesia and Intraoperative

Date Completed

11 General principles of anaesthesia

| | | | | |
|----------|----------------------------|---|---|--------------------------|
| 01_11_01 | Aims of anaesthesia | / | / | <input type="checkbox"/> |
| 01_11_02 | Sedation | / | / | <input type="checkbox"/> |
| 01_11_03 | Local/regional anaesthesia | / | / | <input type="checkbox"/> |

12 Management of the airway and failed intubation drills

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|----------|-------------------------------------|---|---|--------------------------|
| 01_12_01 | Airway maintenance: facemask | / | / | <input type="checkbox"/> |
| 01_12_02 | Airway maintenance: cLMA | / | / | <input type="checkbox"/> |
| 01_12_03 | Airway maintenance: tracheal tube 1 | / | / | <input type="checkbox"/> |
| 01_12_04 | Airway maintenance: tracheal tube 2 | / | / | <input type="checkbox"/> |
| 01_12_05 | Airway obstruction | / | / | <input type="checkbox"/> |
| 01_12_06 | Management of failed intubation | / | / | <input type="checkbox"/> |

13 Induction of anaesthesia

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|----------|--------------------------------|---|---|--------------------------|
| 01_13_01 | Venous access | / | / | <input type="checkbox"/> |
| 01_13_02 | Choice of airway | / | / | <input type="checkbox"/> |
| 01_13_03 | Pre-oxygenation | / | / | <input type="checkbox"/> |
| 01_13_04 | Intravenous induction sequence | / | / | <input type="checkbox"/> |
| 01_13_05 | Stages of unconsciousness | / | / | <input type="checkbox"/> |

14 General anaesthesia: basic techniques for novice trainees

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|----------|--|---|---|--------------------------|
| 01_14_01 | General anaesthesia: spontaneous ventilation with an LMA | / | / | <input type="checkbox"/> |
| 01_14_02 | General anaesthesia: ventilation with an ETT | / | / | <input type="checkbox"/> |
| 01_14_03 | Rapid sequence induction | / | / | <input type="checkbox"/> |

15 Maintenance of anaesthesia

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|----------|---|---|---|--------------------------|
| 01_15_01 | Maintenance of anaesthesia and avoiding awareness | / | / | <input type="checkbox"/> |
| 01_15_02 | Practical examples of drugs used during maintenance | / | / | <input type="checkbox"/> |

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| 55901_15_03 | Intravenous fluid therapy | / / | <input type="checkbox"/> |
| 01_15_04 | Ventilation during maintenance: spontaneous or mechanical | / / | <input type="checkbox"/> |
| 01_15_05 | Monitoring, vigilance for untoward events and patient positioning | / / | <input type="checkbox"/> |
| 01_15_06 | Haemorrhage and hypovolaemia | / / | <input type="checkbox"/> |

06 Postoperative Management

Date Completed

16 Emergence from anaesthesia

| | | | |
|----------|--|-----|--------------------------|
| 01_16_01 | Reversal and extubation | / / | <input type="checkbox"/> |
| 01_16_02 | Management of slow and failed recovery | / / | <input type="checkbox"/> |
| 01_16_03 | Transferring the patient to recovery | / / | <input type="checkbox"/> |

17 Post-operative recovery

| | | | |
|----------|---------------------------------------|-----|--------------------------|
| 01_17_01 | Overview of recovery | / / | <input type="checkbox"/> |
| 01_17_02 | Airway maintenance and oxygen therapy | / / | <input type="checkbox"/> |
| 01_17_03 | Analgesia and antiemetics | / / | <input type="checkbox"/> |
| 01_17_04 | Ward visit after major surgery | / / | <input type="checkbox"/> |

07 Critical Incidents and Management of

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18 Critical incidents

| | | | |
|----------|-------------------------|-----|--------------------------|
| 01_18_01 | Respiratory problems | / / | <input type="checkbox"/> |
| 01_18_02 | Cardiovascular problems | / / | <input type="checkbox"/> |
| 01_18_03 | Anaphylaxis | / / | <input type="checkbox"/> |

19 Advanced life support

| | | | |
|----------|-------------------------------------|-----|--------------------------|
| 01_19_01 | Principles of advanced life support | / / | <input type="checkbox"/> |
| 01_19_02 | Management of perioperative arrest | / / | <input type="checkbox"/> |

08 Self Assessment

Date Completed

20 End of module self assessment

| | | | |
|----------|---------------------------------------|-----|--------------------------|
| 01_20_01 | Module 1 - Assessment 1: Physiology | / / | <input type="checkbox"/> |
| 01_20_02 | Module 1 - Assessment 2: Pharmacology | / / | <input type="checkbox"/> |
| 01_20_03 | Module 1 - Assessment 3: Equipment | / / | <input type="checkbox"/> |
| 01_20_04 | Module 1 - Assessment 4: Anaesthetics | / / | <input type="checkbox"/> |