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Nota di contenuto	Cover; Title page; Copyright page; Contents; Preface; How to use your textbook; About the companion website; Abbreviations; 1: History of anaesthesia; First documented anaesthetic; Ether and chloroform; Anaesthesia as a medical specialty; The development and use of local anaesthetics; Typical career path in anaesthesia; Useful links; 2: Monitoring; Electrocardiography (ECG); Oximetry; Blood pressure (BP) and cardiac output (Figure 5.4); Gas analysis; End tidal CO2 (ETCO2) monitoring; Airway pressure; Central venous pressure (CVP); 3: Equipment; Anaesthetic machine; Vaporizer; Safety features Breathing circuitsLaryngoscopes; 4: Airway devices; Supraglottic devices; Simple oral (Guedel) airway; Simple nasopharyngeal airway; Laryngeal mask airway (Figure 4.2); Infraglottic devices; Emergency airway devices; 5: Fluid management; Fluid compartments; Intravenous fluids; Fluid prescribing; Assessment of fluid status; 6: Preoperative preparation of the patient for surgery; Timing of surgery; Assessment of risk; Preoperative assessment clinics; History and examination; Preoperative tests; Perioperative medication; Fasting; Preoperative care; Arrival in theatre; 7: Temperature regulation Consequences of hypothermiaMonitoring temperature during

anaesthesia; Maintaining temperature during anaesthesia (Figure 7.3); Postoperative shivering; 8: The perioperative patient journey; Preoperative stage; Intraoperative stage; Postoperative stage; 9: General anaesthesia - inhalational anaesthetics; Minimum alveolar concentration (MAC); General effects; Isoflurane (Figure 9.1(a)); Sevoflurane (Figure 9.1(b)); Desflurane (Figure 9.1(c)); Halothane (Figure 9.1(d)); Nitrous oxide; Oxygen; Xenon; 10: General anaesthesia - intravenous anaesthetics; Propofol (2,6-diisopropylphenol); Thiopental Benzodiazepines (e.g. midazolam) Ketamine; Etomidate; 11: Local anaesthetics; Uses; Mechanism of action; Speed of onset of action; Duration of action; Toxicity; Other side effects; Eutectic mixture of local anaesthetics (EMLA) and intravenous regional anaesthesia (IVRA); 12: Neuromuscular blocking drugs; Depolarizing neuromuscular blocking drugs (NMBDs) - suxamethonium; Non-depolarizing neuromuscular blocking drugs; Monitoring of muscle paralysis; 13: Acute pain; Pain management; 14: Postoperative nausea and vomiting; Mechanism; Treatment; Drug treatment; Non-pharmacological treatment Management 15: Chronic pain; Neuropathic pain; Chronic back pain; Neck pain; Fibromyalgia (FMS) and myofascial (MFS) syndromes; Headache and facial pain; 16: The airway; Airway assessment; Management of the airway (basic); The expected difficult airway; The unexpected difficult airway; Unstable neck; 17: Emergency anaesthesia; What is an emergency?; Resuscitation; Signs of an adequately resuscitated patient; Gastric emptying; Preparing a patient for emergency surgery; Postoperative care; Patients in extremis; 18: Obstetric anaesthesia; Epidurals for pain relief in labour What solution is used in the epidural?

Sommario/riassunto

Anaesthesia at a Glance is a brand new title that provides a concise and visually-orientated summary of a comprehensive lecture course in anaesthesia. Ideal for clinical undergraduate medical students and Foundation Programme doctors undertaking anaesthesia attachments, it gives a systematic, broad view of anaesthesia in various specialties, taking the reader through preparation, management and the pharmacology behind anaesthetic medicine. Anaesthesia at a Glance is supported by a companion website at www.ataglanceseries.com/anaesthesia containing interactive multiple-choice questions.
