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- 1.2:Tissue healing, *Gus McGrouther*
- 1.3:Infections, *Donald Dewar*
- 1.4:The skin: normal structure, anatomy, physiology and function, *Mark Goodfield*
- 1.5:Vascular Anatomy, *Steven Morris, Ian Taylor, and Amanda Murphy*
- 1.6:Anesthesia, *Chetan Srinath and Alan Yates*
- 1.7:Skin grafts, *Mamta Shah and Siobhan O'Ceallaigh*
- 1.8:Skin flaps, *Donald Dewar*
- 1.9:Microsurgery, *David McCombe and Wayne Morrison*
- 1.10.:Benign skin conditions and tumours, *Rajib Rahim and Graham Stables*
- 1.11:Non melanoma skin cancer and premalignant conditions, *Barbara Jemec and Gregor Jemec*
- 1.12:Pigmented lesions, melanoma including premalignant conditions, *Michael Henderson, John Spillane, David Gyorki, and Christopher McCormack*
- 1.13:Wound Dressings, *David Stewart*
- 1.14:Sarcoma, *Ian Smith and Vinay Itte*
- 1.15:Vacascularised Composite Allotransplantation, *Daniel Wilks and Simon Kay*

## **2. Burns Surgery**

- 2.1:Mechanisms of injury: thermal, chemical, electrical and radiation, *Nicole Gibran and Ravi F Sood*
- 2.2:The Burned Patient: Physiology and Pathology, *Fiona Wood and Keith Judkins*
- 2.3:Adult Thermal Burns, *Jeremy Rawlins and Isabel Jones*
- 2.4:The burnt child, *Suzanne Rea and Sian Falder*
- 2.5:Electrical injury and burns and their management, *Joel Fish and David Sainsbury*
- 2.6:Chemical burns, *Alexandra Murray*
- 2.7:Cold induced injury to the skin and deep tissues, *Tania Cubison, Johann Jeevaratnam, MJ Hallam, and CHE Imray*
- 2.8:Radiation induced injury to the skin and deep tissues, *Tania Cubison, Johann Jeevaratnam, and MJ Hallam*

## **3. Nerve Surgery**

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  - 3.1.2:Blood Supply of the Peripheral Nerve, *Andrew Hart*
  - 3.1.3:The Schwann Cell, *Paul J Kingham and Mikael Wiberg*
  - 3.1.4:Physiological requirements for action potential conduction, sensory awareness and motor control, *Staffan Johansson*
  - 3.1.5:Tactile sensory control of the human hand, *Roland S Johansson and Per F Nordmark*
- 3.2:Neurobiology of injury (compression, traction, laceration) & repair, and grading of injuries, *Andrew Hart*
- 3.3:Clinical features and diagnosis
  - 3.3.1:Clinicopathological correlates with theoretical grades, *Robert Bains and Simon Kay*

- 3.3.2:Tinel-Hoffman sign, *Simon Kay*
- 3.3.3:Neurophysiological Assessments for Peripheral Nerve Injury, *Arup Mallik*
- 3.3.4:Adult Brachial Plexus Injury, *Simon Kay and Robert Bains*
- 3.3.5:Brachial Plexus injury in the child, *Robert Bains*
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  - 3.4.1:Surgical management of the divided nerve, *Duncan A McGruther*
  - 3.4.2:Nerve grafts and transfers, *Robert Bains and Simon Kay*
- 3.5:Hand therapy after peripheral nerve injury, *Brigitta Rosen and Christina Jerosch-Herold*
- 3.6:Chronic Post Surgical Pain (CPSP) and Complex Regional Pain Syndrome (CRPS), *Lesley A Colvin and Sebastian Bourn*
- 3.7:Compression or mechanical neuropathy
  - 3.7.1:Pathophysiology, *Andrew Hart*
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- 3.8:Mass Lesions of the Peripheral Nervous System, *Thomas J. Wilson, Carlos E. Restrepo and Rob Spinner*

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- 4.2:Anthropological, behavioural, and cultural characteristics of the human hand, *James Haeney*
- 4.3:Applied biomechanics of the hand, wrist and forearm, *Vivien Lees*
- 4.4:Soft tissue infections of the hand and upper limb, *Barbara Jemec and Sophie Collier*
- 4.5:Dupuytren s disease, *Richard Milner*
- 4.6:Soft tissue reconstruction of the hand, *David Elliot*
- 4.7:Microsurgical reconstruction of the upper limb, *Alex E Hamilton*
- 4.8:Hand therapy, rehabilitation and rehabilitation following tendon injury, *Fiona Peck*
- 4.9:Amputations, *Robert Winterton*
- 4.10:Fractures of the hand and wrist, *David Shewring*
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- 5.4:Management of Soft-Tissue Loss without Microsurgery, *Thomas Wright*
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- 5.9:Lower limb trauma, Outcome measures, Limb Salvage, Amputation, *David Wallace*
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- 5.11:Management of Congenital Limb Deficiency, *Fergal Monsell*
- 5.12:The orthopaedic management of congenital pseudarthrosis of the tibia, *Fergal Monsell*
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- 6.2:Embryology of craniofacial skeleton, *Mark Lloyd*
- 6.3:Genetics of craniofacial anomalies, *Andrew Wilkie*
- 6.4:Assessment of patients with craniosynostosis, *Nicholas White*
- 6.5:The management of non-syndromic Craniosynostosis, *Christian Duncan and Hiroshi Nishikawa*
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- 6.7:Hypertelorism & Orbital Dystopia, *Aina Greig and David Dunaway*
- 6.8:Orofacial Clefts: Embryology, Epidemiology & Genetics, *David FitzPatrick*
- 6.9:Classification, evaluation and management of the neonate with a cleft, *David Sainsbury*
- 6.10:Primary management of cleft lip and palate, *Jason Neil-Dwyer*
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- 7.2:Fractures of the mandible, *Lachlan Carter*
- 7.3:Zygomatic complex fractures, *A. Nicholas Brown*
- 7.4:Orbital Fractures, *Trevor Teemul*
- 7.5:Fractured nasal bones, *A. Nicholas Brown*
- 7.6:Management of mid-face fractures: Maxilla, *Jiten D. Parmar and Lachlan Carter*
- 7.7:Frontal Sinus and Nasoethmoidal Injuries, *Rabin Singh*
- 7.8:Sequencing of Panfacial Fracture Repair, *Jiten D. Parmar and Lachlan Carter*
- 7.9:Introduction to Orthognathic Surgery, the Assessment of facial disproportion and Orthognathic treatment planning, *Claire Bates, Trevor Hodge, Lachlan M. Carter, and Christopher Mannion*
- 7.10:First and second branchial arch anomalies, *Claire Bates, Trevor Hodge, and Lachlan M. Carter*

7.11:Common orthognathic procedures, *Claire Bates, Christopher Mannion, and Lachlan M. Carter*

## **8. Head and Neck Surgery**

8.1:The Head and Neck MDT, *Kristian Sorensen*

8.2:Embryology and Anatomy of the Head and Neck, *Charles Yuen Yung Loh and Chris Wallace*

8.3:Management of Tumours of the oral cavity, *Jonathan Dunne and Paolo Matteucci*

8.4:Tumours of the Nasopharynx, Oropharynx and Hypopharynx, *Vinidh Paleri, I Z Iqbal, and Anusha Balasubramanian*

8.5:Tumours of the Larynx, *Mark Puvanendran and Vinidh Paleri*

8.6:Tumours of the Thyroid, *Ramesh Gurunathan and Vinidh Paleri*

8.7:Tumours of the Salivary Glands, *James Wokes and Neil McLean*

8.8:Tracheostomy, *Peter Kalu and Maniram Ragbir*

8.9:Assessment and Management of Metastatic Neck Disease, *Vinidh Paleri and Maniram Ragbir*

8.10:Reconstuction of Scalp, Calvarium and Forehead, *Kaz Rahman*

8.11:Eyelid Reconstruction, *Moghdad Alrawi*

8.12:Lip Reconstuction, *David Sainsbury*

8.13:Cheek Reconstuction, *Matthew Potter*

8.14:Nasel Reconstruction, *Michael Kernohan and Kelly Thornbury*

8.15:Reconstruction of the Pharynx, *Jonathan Pollock and Maniram Ragbir*

8.16:Reconstruction of the Mandible and Maxilla, *Alex Jones and Maniram Ragbir*

8.17:Anatomy and Physiology of the Facial Nerve and aetiology of Facial Nerve Pals, *Onur Gilleard and Kalliroi Tzafetta*

8.18:Management of Acute and Chronic Facial Nerve Palsy, *Omar Ahmed and Richard Chalmers*

8.19:Radiology of the Head and Neck, *Ivan Zammit*

8.20:Adjuvant therapy for Head and Neck Cancers, *Charles Kelly*

## **9. The Chest and Breast**

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9.2:Deformities of the Chest, *Harvey Stern*

9.3:Surgical anatomy of the breast, *Amy Jeeves*

9.4:Congenital deformities of the breast, *Michelle L. Lodge*

9.5:Preoperative imaging for autologous breast reconstruction, *Mark Ashton and Ian Whitaker*

9.6:Breast malignancy: diagnosis and management, *Keiran Horgan, Fiona MacNeill, Russell Bramhall, Julie Doughty, and Indu Chaudhuri*

9.7:Breast reconstruction: patient assessment, *Nicola Dean*

9.8:Tissue expander and implant breast reconstruction, *Melissa A Mueller, Emily G Clark, and Gregory RD Evans*

9.9:Latissimus dorsi breast reconstruction, *Mark Lee*

9.10:TRAM flap breast reconstruction, *Janek Januszkiewicz*

9.11:DIEP Flap breast reconstruction, *Mark Ashton*

9.12:Alternative flaps for microsurgical breast reconstruction, *Hinne Rakhorst*

9.13:The tissue engineered breast, *Wayne Morrison*

9.14:Management of complications of microvascular abdominal flap breast reconstruction, *Marc*

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9.15: The nipple-areolar complex, *Garry Buckland*

9.16: Ancillary considerations in breast surgery, *Emily G Clark, Melissa A Mueller, and Gregory RD Evans*

9.17: Anaesthesia and analgesia considerations in breast surgery, *Glenda Rudkin and Sarah Gardiner*

9.18: Measuring outcomes in plastic surgery of the breast, *Nicola Dean, Rod Cooter, and Andrea L. Pusic*

## **10. Abdomen**

10.1: Functional anatomy of the abdominal wall and principles of abdominal wall hernia repair, *Kezia Echlin and Andrew Fleming*

10.2: The Open Abdomen, *Omar Khan, Marcus Reddy, and Emma Rose McGlone*

10.3: The Principles of Complex Abdominal Hernia Repair, *Kezia Echlin and Andrew Fleming*

10.4: Local and Free flap abdominal wall repair, *Jonathan Lohn and Martin Veseley*

10.5: Necrotising fasciitis of the abdomen, *Anthony Barabas and Andrew Fleming*

10.6: Functional Anatomy of the Pelvis and Gluteal Region, *Donald Hudson and Sean Moodley*

10.7: Pilonidal disease, *Kezia Echlin and Andrew Fleming*

10.8: Pressure Ulcers, *Sean Moodley and Donald Hudson*

10.9: Perineal reconstruction following anorectal excision, *Alex Crick*

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11.4: Disorders of Sex Development (DSD) Surgical Challenges, *Dan Wood*

11.5: Gender Reassignment, *Oliver Fenton*

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12.3: Lasers and flashlamps in the treatment of skin disorders, *Richard Barlow*

12.4: Botulinum Toxins, *Tamara Griffith, Sherina Balaratnam, and S Stagnell*

12.5: Lipomodelling, *John Dickson and Nigel Mercer*

12.6: Fillers & Dermabrasive Therapies, *Brett Archer*

12.7: Treatment of large and ptotic breasts, *Adam Searle, Albert de Mey, and C Zirak*

12.8: Hair restoration, *Naghm Darhouse*

12.9: Peri orbital, lower face and neck, *Norman Waterhouse, Naresh Noshi, Niall Kirkpatrick, and Lisa Brendling*

12.10: Primary Aesthetic Rhinoplasty, *Lucian Ion*

12.11: Modification of the facial skeleton in aesthetic facial surgery, *Paul Johnson*

12.12: Gynaecomastia, *Nigel Mercer and John Dickson*

12.13: The treatment of small breasts and inverted nipples, *Marion Grob, Elliott Smock, and Mark Soldin*

12.14: Asymmetry of the breasts, *Farida Ali*

- 12.15:Abdominal wall anatomy, *Nick Wilson Jones*
- 12.16:Anatomy, physiology and pathology of body fat, *Isabel Teo and Mark Soldin*
- 12.17:Abdominoplasty, *Chris Abela and Mark Soldin*
- 12.18:Liposculpture, *Marco Gasparotti, Andrea Maria Florio, Isabel Teo, Davide Lazzeri, and Mark Soldin*
- 12.19:Buttock Augmentation, *Lina María Triana Lloreda and Mildred Martínez Millán*
- 12.20:Aesthetic surgery of the genitalia, *Maleeha Mughal and Mark Soldin*
- 12.21:Bariatric surgery, *Alberic Feinnes*
- 12.22:Upper trunk and breast surgery after massive weight loss, *Mohammed Akhavani and Mark Soldin*
- 12.23:Lower body lift and abdominal surgery after massive weight loss, *Dirk Richter and Nina Schwaiger*
- 12.24:Thigh lift, *Anthony Barabas and Mark Soldin*
- 12.25:Brachioplasty, *Charles Bain and Mark Soldin*
- 12.26:Aesthetic surgery of the lower limb, *Athanasios Papas and Mark Soldin*
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### **13. The Legal, Ethics, and Behavioural Components of Plastic Surgery**

- 13.1:The ethics of gender re-assignment surgery, *Oliver Fenton*
- 13.2:Psychological Consequences of the Birth of a Child with a Congenital Hand Anomaly, *Maggie Bellew*
- 13.3:Psychological Assessment of Cosmetic Surgery Patients, *Maggie Bellew*
- 13.4:Factitious injury and related conditions, *Simon Kay and Maggie Bellew*
- 13.5:Legal aspects of consent to treatment and the nature of malpractice claims in the UK, *Mark Ashley and Sherry Williams*
- 13.6:Consulting with children, *Simon Kay*