

# Subject index

## A

- Abbe island flap for correction of whistle deformity, 176
- Abdominal rotation flap, use for inguinal lymph node dissection, 485
- Abdominal wall, repair using ventrally based and turned in dermofat pedicled flaps, 31
- Airflow in velopharyngeal defects, effect of tongue position, 377
- Angioleiomyomas, leg, 536
- Angiosomes, experimental study and clinical applications, 113
- Arteries
  - experimental microarterial grafts: freeze-dried heterografts versus autografts, 188
  - see also specific arteries*
- Arteritis temporalis, necrotising lesions in, risk of biopsy, 73
- Assault, facial soft tissue injuries, 614
- Auricular flap, posterior
  - anatomical studies, 562
  - intra-oral reconstruction, 570

## B

- Back defect, one stage reconstruction with large fasciocutaneous flap, 513
- Basal cell naevus syndrome, multiple metastases from, 528
- Blood flow
  - capillary, effects of nicotine, in random pattern skin flaps, 295
  - reversal, principle of, 86
- Blood supply, skin and underlying tissues, 113
- Bone
  - development after perichondrial grafting, 636
  - loss, tissue regeneration in reconstruction, 142
- Books, style and production, 544
- Brachmann-de Lange syndrome, duplication of pinna in, 642
- Brachymetatarsia, multiple, treatment of, 423
- Breast reconstruction, complications of tissue expansion in, 629
- Burns
  - electrical, multiple seagull flaps for digital contractures, 47
  - recent advances in treatment 1843–1858, 193
  - squamous cell cancers following, 488
  - to elderly, 278

## C

- Carcinoma
  - basal cell, significance of incomplete excision, 63
  - basal cell naevus syndrome, multiple metastases from, 528
  - squamous cell
    - intra-oral, in patients under 40 years of age, 270
    - post-burn, 488
- Cephalic venous flap, 16
- Cheeks
  - neurovascular flaps for reconstruction of lower lip, 173
  - reconstruction, free vertical abdominal fasciocutaneous flaps, 27

- traumatic dimples, surgical treatment, 588
- Chest wall, repair using ventrally based and turned in dermofat pedicled flaps, 31
- Chlorbutol, use in tissue preservation, 497
- Chlorocresol, use in tissue preservation, 497
- Chylo-pharyngeal fistula after radical neck dissection, 538
- Colon grafts for oesophageal reconstruction, 181
- Consent, informed, 445
- Cross-facial nerve transplantation (CFNTP), failure to restore spontaneous smiles in, 592

## D

- Dancing man procedure, Mustardé, extended use, 432
- Derby area, development of Plastic Surgery Unit, 653
- Dermofat turned in pedicled flaps in repair of abdominal wall and thoracic defects, 31
- Dimples, traumatic facial, surgical treatment, 588
- Dogo, Giovanni, obituary, 215
- Dorsal metacarpal flaps, 333
- Dorsalis pedis island flaps
  - distally based, for coverage of distal portion of foot, 521
  - neurovascular trans-interosseous, 241
- Drains, mini suction, 542

## E

- Ears
  - post-operative protection by silastic foam dressing, 213
  - “Zulu” tissue expansion in construction of helix and lobe, 505
- Epigastric flap, extended deep inferior, 518
- Eyelids, lower, reconstruction by use of upper lid: a modified technique, 246

## F

- Face
  - asymmetry, computer-based method of measurement, 371
  - cross-facial nerve transplantation, failure to restore smiles in, 592
  - resurfacing in xeroderma pigmentosum, 610
  - soft tissue injuries resulting from assault, 614
  - traumatic dimples, surgical treatment, 588
- Fasciocutaneous flaps
  - free vertical abdominal, 27
  - in reconstruction of massive back defect, 513
- Feet
  - amputated, total cutaneous harvesting from, 313
  - coverage of distal portion using distally based dorsalis pedis flap, 521
- Fibrosis, oral submucous, treatment of trismus in, 407
- Fingers
  - contractures in electrical burns, multiple seagull flaps, 47
  - repair, SEPA flaps, 348

- salvage replantation from a non-replantable arm, 310
- Forearm flaps, radial *see* Radial forearm flaps
- Forehead, resurfacing using expanded temporal flaps, 171
- Free flaps
  - comparison of latissimus dorsi and rectus abdominis as donor tissues, 620
  - cutaneous, from amputated foot, 313
  - immediate transfer to pelvis, using wrist vessels, 427
  - omental, delayed use owing to uncertain viability, 306
  - transfer for lower leg in presence of venous hypertension, by use of venous bridge, 526
  - vertical abdominal fasciocutaneous, 27

## G

- Gelatin sponge, absorbable, effect on experimental microvascular anastomoses, 300
- Gillies Fry procedure, long-term results, 384
- Gluteus maximus muscle, reconstruction in ambulatory patients, 1
- Gorling-Goltz syndrome *see* Basal cell naevus syndrome
- Groin
  - flaps, economical use, 647
  - use of abdominal rotational flap for inguinal lymph node dissection, 485

## H

- Hailey-Hailey disease, surgical control, 557
- Hands
  - repair, SEPA flaps in, 348
  - scleroderma, microsurgical revascularisation, 264
- Harris, Michael, obituary, 324
- Head reconstruction, free vertical abdominal fasciocutaneous flaps, 27
- Heels, ulcers, dorsalis pedis neurovascular trans-interosseous island flaps, 241
- History
  - development of Plastic Surgery Unit in Nottingham and Derby areas, 653
  - development of plastic surgery in the West Midlands Region, 317
  - Plastic Surgery Unit at Wrexham Park Hospital, 655
- Hypospadias
  - and embryogenesis of penile urethra, 201
  - management, relevance to surgical training in plastic surgery, 227
  - repair
    - modification of Mustardé-Mathieu and Horton-Devine urethroplasty, 494
    - seagull meatoplasty, 61

## I

- Infrared coagulation in treatment of venous lakes, 451
- Island flaps
  - Abbe, for correction of whistle deformity, 176
  - anterolateral leg, 236
  - cephalic venous, 16
  - distally-based dorsalis pedis, 521
  - dorsalis pedis neurovascular trans-interosseous, 241
  - with exclusively venous pedicles, 149

- prefabricated hair-bearing, in lip reconstruction, 37
- saphenous venous, without arterial inflow, using non-biological conduit, 11

## J

- Jejunum
  - grafts, for oesophageal reconstruction, 181
  - in pharyngo-oesophageal reconstruction, 467

## L

- Lachrymal apparatus, abnormalities along with bilateral cleft palate, choanal atresia and abnormality of nostrils, 645
- Latissimus dorsi muscle
  - flaps, extended "non-free", 516
  - free flaps, comparison with rectus abdominis free flaps, 620
- Legs
  - anterolateral island flaps, 236
  - lower, venous bridge used in free flap transfer in presence of venous hypertension, 526
  - vascular leiomyoma, 536
- Leiomyoma, vascular, in leg, 536
- Limbs, lower *see* Lower limbs; *specific parts of lower limbs*
- Lips
  - cleft
    - comprehensive repair in adults, 478
    - repair assessment by computer-based measurement of facial asymmetry, 371
    - subtotal premaxillectomy, 396
  - comparison of function after surgery and radiotherapy, 598
  - lower, reconstruction in one stage using neurovascular cheek flaps, 173
  - reconstruction, prefabricated hair-bearing island flap, 37
  - resurfacing, method, 454
- Lower limbs, tissue regeneration in reconstruction of lost bone and soft tissue, 142

## M

- Mandible, reconstruction of middle third, 274
- Mandibulofacial dysostosis *See* Treacher Collins syndrome
- Metacarpal artery flaps, dorsal, 333
- Microtia, "Zulu" tissue expansion in construction of helix and lobe, 505
- Microvascular anastomoses, effect of absorbable gelatin sponge, 300
- Midlands, West, development of plastic surgery in, 317
- Mouth
  - intra-oral defects
    - nasolabial flaps for, 472
    - reconstruction using posterior auricular flap, 570
  - intra-oral squamous cell carcinoma in patients under 40 years of age, 270
- Mowlem, Rainsford, obituary, 102
- Muscle flaps, soleus, distally based, 20
- Musculocutaneous flaps
  - extended latissimus dorsi "non-free", 516
  - gluteus maximus, reconstruction of defects in ambulatory patients, 1
  - transverse rectus abdominis, augmentation of circulation by microvascular surgery, 367
- Mustardé, dancing man procedure, extended use, 432

## N

- Naevi  
 basal cell, multiple metastases from, 528  
 congenital "giant", a new surgical approach, 410
- Nasolabial flaps for intra-oral defects, mouth, 472
- Neck  
 ectopic thymus, 532  
 radical dissection, chylo-pharyngeal fistula following, 538  
 reconstruction, free vertical abdominal fasciocutaneous flaps, 27
- Nicotine, dose and time effects on capillary blood flow and viability of random pattern skin flaps, 295
- Nose deformities, cleft lip, secondary correction, 52
- Nostrils  
 abnormality along with bilateral cleft palate, choanal atresia and abnormalities of lachrymal apparatus, 645  
 triple, 651
- Nottingham area, development of Plastic Surgery Unit, 653

## O

- Oesophagus  
 pharyngo-oesophageal reconstruction using multiple jejunal loops, 467  
 reconstruction, comparison of jejunum and colon grafts, 181
- Omentum free flap, delayed use, 306

## P

- Palate  
 cleft  
 with choanal atresia and unusual abnormalities of lachrymal apparatus and nostrils, 645  
 effect of tongue position on airflow in, 377  
 Gillies Fry procedure, long-term results, 384  
 subtotal premaxillectomy, 396  
 fistulae, closure by radial forearm flaps, 391
- PARAS flap *see* Post- and retro-auricular scalping flap
- Parotid duct, congenital external fistulae, 99
- Pelvis reconstruction, wrist as immediate free flap carrier, 427
- Penis, hypospadias and embryogenesis of urethra, 201
- Perichondrial grafting, development of bone after, 636
- Pharyngo-oesophageal reconstruction using multiple jejunal loops, 467
- Pinna, duplication in Brachmann-de Lange syndrome, 642
- Piracetam, action in ischaemic flaps, 459
- Plastic surgery, future of 323
- Polyotia in Brachmann-de Lange syndrome, 642
- Post- and retro-auricular scalping flap (PARAS flap), 360
- Premaxillectomy, subtotal, in bilateral cleft lip and palate, 396
- Prostheses, silicone rubber, and pathogenicity of coagulase negative staphylococci, 94
- Psychosocial adjustment of patients with Treacher Collins syndrome before and after reconstructive surgery, 605
- Pudendal artery flap, superficial external *see* Superficial external pudendal artery flap

## R

- Radial forearm flaps  
 closure of large palatal fistulae, 391  
 management of secondary defect, 83

- morbidity in donor arm, 212
- Rectus abdominis  
 free flaps, comparison with latissimus dorsi free flaps, 620  
 musculocutaneous flaps, transverse *see* Transverse rectus abdominis musculocutaneous flaps
- Rhomboid flaps, modification, 163

## S

- Saphenous venous island flap without arterial inflow, using non-biological conduit, 11
- Scalp, temporal flaps for resurfacing forehead, 171
- Scalping flap, post- and retro-auricular, 360
- Scapular flaps, bi-scapular flap, 510
- Scleroderma, microsurgical revascularisation of hand in, 264
- Seagull flaps, multiple, for digital contractures in electrical burns, 47
- SEPA flap *see* Superficial external pudendal artery flap
- Silastic foam dressing for protection of post-operative ear, 213
- Silicone rubber implants and pathogenicity of coagulase negative staphylococci, 94
- Skin  
 flaps  
 axial pattern, simplified pedicle delay, 540  
 random pattern, effects of nicotine, 295  
 free flaps from amputated foot, 313  
 grafts, meshed split, configurational changes within dermis, 420  
 traction in closure of wounds, 582
- Skull base reconstruction following tumour resection, 155
- Sleeve anastomosis, 288
- Smiles, spontaneous, failure to restore in cross-facial nerve transplantation, 592
- Soleus muscle, distally based spit flap, 20
- Square flap method, 40
- Staphylococci, coagulase negative, pathogenicity in presence of silicone rubber implants, 94
- Suction drain, mini DIY, 542
- Superficial external pudendal artery (SEPA) flaps  
 anatomical basis, 342  
 uses in repair of defects in hands and feet, 342
- Syndactylisation, artificial, for congenital crossed toes, 502

## T

- Temporal flaps, expanded, to resurface forehead, 171
- Tendon grafts, flexor, disruption, characteristics and management, 258
- Thymus, ectopic, in neck, 532
- Tibial artery flap, anterior, anatomy and case report, 230
- Tissue expansion  
 complications in breast reconstruction, 629  
 in resurfacing forehead, 171  
 a technical aid, 305  
 traditional Zulu technique in construction of helix and ear lobe, 505  
 in wound closure by skin traction, 582
- Tissue preservation, radio-opaque injection technique, 497
- Tissue regeneration in reconstruction of lost bone and tissue in lower limbs, 142
- Toes  
 congenital crossed, artificial syndactylisation for, 502  
 great, skin necrosis after transplantation of great toenail flap, 283

Transverse rectus abdominis musculocutaneous (TRAM) flaps, pedicled, augmentation of circulation by microvascular surgery, 367  
 Treacher Collins syndrome, psychosocial adjustment before and after reconstructive surgery, 605  
 Trismus in submucous fibrosis, surgery for, 407  
 Tube pedicle, 40-year old, 97

## U

Ulcers  
   heel *see* Heels, ulcers  
   venous, layered shaving, 68  
 Urethra, penile, embryogenesis and hypospadias, 201  
 Urethroplasty, modification of Mustardé-Mathieu and Horton-Davis techniques, 494

## V

Velopharyngeal defects, effect of tongue position on airflow in, 377

Venous flaps  
   cephalic, 16  
   saphenous, without arterial inflow and using non-biological conduit, 11  
 Venous lakes, treatment by infrared coagulation, 451  
 Venous ulcers, layered shaving, 68

## W

Wexham Park Hospital, history of Plastic Surgery Unit, 655  
 Whistle deformity, correction using Abbe island flap, 176  
 Wounds, closure by skin traction, 582  
 Wrist vessels in revascularisation of flap for resurfacing of lateral pelvis, 427  
 Writing style, 544

## X

Xeroderma pigmentosum, facial resurfacing in, 610