

Vocational Specialty	Advanced Procedures
Anaesthesia	• Paediatrics (< 3 years) • Neurosurgical • Cardiac surgery • Thoracic surgery
Cardiology and Cardiac Surgery	• Electrophysiology studies and procedures • Device therapy e.g. implantation of pacemakers and cardioverter-defibrillators • Cardiac catheterisation • Coronary angiography, angioplasty and stenting • Structural cardiac interventions e.g. TAVI, mitralclip, left atrial appendage closure • All cardiac surgery • Transoesophageal echocardiography including perioperative TOE
General Surgery	• Bariatric surgery • Laparoscopic colorectal surgery • Low anterior resection rectum • Intrathoracic surgery • Advanced laparoscopic and laser surgery • Liver resection surgery • Intra-operative radiotherapy
Neurosurgery	• Pituitary surgery (Usually done with a Rhinologist) • Acoustic surgery (Usually with an Otologist) • Surgery of epilepsy (Excluding cases with seizures related to brain tumours) • Neuro-vascular aneurysm surgery • Paediatric neurosurgery • Deep brain stimulation
Orthopaedics	• Any ACC red list procedures (As defined in Elective Surgery Operational Guidelines 2021 - (https://www.acc.co.nz/assets/contracts/elective-surgery-og.pdf))
Head and Neck Surgery: ORL and Oral and Maxillofacial	• Advance craniofacial implant surgery (e.g. Placement of osseointegrated implants following ablative surgery. Complex implant placement) • Advance facial deformity and craniofacial surgery (e.g. Syndromic/ congenital craniofacial, complex post traumatic deformity) • Advance facial trauma (e.g. High mandibular condyle fracture, frontal sinus cranialisation and obliteration) • Advance salivary gland surgery (e.g. Endoscopic, minimal access salivary gland procedures) • Advance TMJ surgery (e.g. TMJ ankylosis surgery, TM joint replacement, TMJ arthroscopy) • Advanced head and neck surgery (e.g. Laryngeal, oropharyngeal, hypopharyngeal and oral cavity malignant or complex benign resections, complex airway reconstruction, lateral temporal bone resection) • Advanced laryngology (e.g. Arytenoid adduction /arytenopexy, laryngoplast) • Advanced neurotology (e.g. Vestibulocochlear (VIII) nerve section, resection cerebellopontine angle tumour and skull-base tumours, middle or posterior fossa skull base surgery, petrous apicectomy) • Advanced otology (e.g. Cochlear implantation, stapedectomy, vestibular surgery, mastoidectomy, ossicular reconstruction and neurotology tumours, acoustic neuroma surgery) • Advanced paediatric head and neck surgery (e.g. Complex airway reconstruction, ex utero intrapartum treatment (EXIT), reconstruction of congenital aural atresia, cleft lip and palate, paediatric head and neck tumours) • Advanced rhinology (e.g. Optic nerve decompression, benign nasal tumours (extra-sinonasal extension), pituitary surgery, complex septorhinoplasty)

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Head and Neck Surgery: ORL and Oral and Maxillofacial (continued)	• Facial plastics • Facial reanimation surgery (e.g. All forms of dynamic facial reanimation) • Free flap and microvascular reconstructive surgery (e.g. Harvest of soft tissue, bone and composite free flaps, and micro anastomosis) • Laser surgery (e.g. Cancer ablation or vapourisation) • Obstructive sleep apnoea surgery (e.g. Maxillomandibular advancement - neurostimulator implantation) • Others (e.g. New technology surgery) • Parathyroid surgery • Robotic surgery • Skull base surgery (e.g. Sino nasal tumour - trans craniofacial surgery)
Gynaecology	LEVEL 3, LEVEL 4 AND ABOVE LAPAROSCOPIC PROCEDURES: • Hysteroscopic resections (e.g. Of fibroids) • Pelvic reconstruction with mesh • Any sub-urethral tapes (e.g. TVT, SPARC and transobturator variants) • Uterine cancer treatment and lymph node sampling • Intra-operative radiotherapy UROGYNAECOLOGY: • Insertion of mesh for the treatment of pelvic organ prolapse or urinary incontinence. This includes vaginal mesh for anterior and posterior repair, open or laparoscopic sacrocolpopexy, and insertion of urinary tapes (TVT, TOT) • Removal of any mesh inserted at above procedures • Colposuspension for urinary incontinence • Urethral bulking procedures • Bladder botox instillation • Laparoscopic pelvic floor repair GYNAECOLOGICAL ONCOLOGY: • Treatment for gynaecological cancer including ovarian, uterine, cervical or vulval cancers, requiring formal MDM review. • Lymph node sampling or excision • Surgical debulking procedures • Appendicectomy ADVANCED LAPAROSCOPY RANZCOG/AGES LEVELS 5 AND 6 Level 5: • Total laparoscopic hysterectomy with complexity, such as fibroids and endometriosis • Laparoscopic myomectomy for fibroids • Management of ASRM stage 4 endometriosis • Hysteroscopic myomectomy (type 2) and hysteroscopic septoplasty Level 6: • Laparoscopic excisional surgery for ASRM stage 4 endometriosis necessitating bowel or urological resection, ureterolysis, removal of residual cervix, removal of residual ovaries with significant distortion of the anatomy and extensive adhesiolysis • The gynaecologist must be trained to level 6 either as an Advanced Laparoscopic Gynaecologist currently operating as the lead surgeon or one who has undertaken the AGES Advanced Laparoscopic Fellowship • Laparoscopic tubal re-anastomosis and management of congenital disorders • Appendicectomy

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Paediatric and Surgery	• Advanced laparoscopic procedures (e.g. Extensive endo, bowel resection etc) • Chest wall deformities (e.g. Pigeon chest)
Plastic and Reconstructive Surgery	• Cleft lip and palate surgery • Congenital craniofacial surgery • Facial reanimation surgery • Complex congenital hand surgery • Brachial plexus surgery • Microsurgical free tissue transfer • Complex breast reconstruction • Complex chest wall reconstruction (e.g. Polands syndrome) • Gluteal augmentation by fat grafting • Circumferential body lift procedures • Urogenital reconstruction (e.g. Hypospadias and gender reassignment surgery) • Laser surgery
Urology	• Intra-operative radiotherapy (e.g. Radioactive seed insertion) • Total cystectomy • Robotic-assisted urology surgery • Implantation of urological prosthetics • Female stress incontinence surgery • Implantation of vaginal mesh • Removal of vaginal mesh
Other	• Robotic procedures • Adjunct therapy complementary to the primary procedure/surgery • Unconventional; alternative therapy; and/or complementary medicines (e.g. Use of herbals, non-herbals and other preparations not designated as approved pharmaceuticals in NZ or other unconventional use of preparations) • Some experimental treatments (Will also require research approval from NCMC)