

List of fields and values

This dataset matches that recommended for audit in the RACS 'Surgical Audit and Peer Review Guide'

Field Name	Type	Values
Case Details: Minimum Dataset		
First name*	Text	Free text
Last name*	Text	Free text
URN/NHI*	Text	Free text patient identifier from hospital medical record
Date of birth*	Date field	
Age*	Number (automatic)	Field is auto-calculated if the Date of Birth field is populated. Alternately, an age can be entered as free text.
Hospital name**	Drop down Single select	User pre-selects the hospitals they wish to be available for this data point, from a full list of all Australian and New Zealand hospitals available in their Account screen. Optionally, a default hospital can be setup also. (Some overseas hospitals are available and additional ones can be added by a MALT System Administrator on request.)
Unit/Clinic	Drop down Single select	User pre-selects the hospital surgical unit or private clinic from a list populated by the MALT System Administrator. Additional values can be set up on request.
Rotation Period**	Drop down Single select	Field used by Surgical Trainees, International Medical Graduates and Fellows subspecialising to define the reporting periods for their training/assessment program. Values are defined by the MALT System Administrator and differ specialty to specialty, country to country and state to state.
SET Level	Drop down Single select	Used by Surgical Trainees only. If applicable, a default SET level can be set up by the User in their Account settings.
PGY Level	Drop down Single select	Used by JDocs only. If applicable, a default PGY level can be set up by the User in their Account settings.
Procedure date**	Date field	
Supervisor	Read only field	Displays supervisor name as set up by the user in their Account settings. The full list of supervisor names is sourced from the College membership database.
Alternate approver*	Type ahead Single select	Select from the list that has been set up by the user in their Account settings. The full list of supervisor names is sourced from the College membership database.

* These fields can be made Mandatory or Optional by a MALT System Administrator, for each logbook type.

** These fields are Mandatory for all cases

Case Details: Expanded Dataset		
Start Time (theatre record)	Time field	
End time	Time field	
Duration	Number (automatic)	(hours and minutes) Field is calculated on Start/End time fields
Gender	Drop down Single select	Male Female
Ethnicity	Drop down with type-ahead search. Multi-pick.	Australian Australian - Australian Aboriginal Australian - Australian South Sea Islander New Zealander New Zealander - Maori Melanesian and Papuan Melanesian and Papuan - New Caledonia Melanesian and Papuan - Ni-Vanuatu Melanesian and Papuan - Papua New Guinean Melanesian and Papuan - Solomon Islander Micronesian Micronesian - I-Kiribati Micronesian - Nauruan Polynesian Polynesian - Cook Islander Polynesian - Niuean Polynesian - Samoan Polynesian - Tongan Polynesian - Hawaiian Polynesian - Tahitian Polynesian - Tokelauan Polynesian - Tuvaluan Polynesian - French Polynesian British British - English British - Scottish British - Welsh British - Channel Islander British - Manx British - Falkland Islander Irish Western European Western European - Austrian Western European - Dutch Western European - Flemish Western European - French

Case Details: Expanded Dataset

	Western European - German
	Western European - Swiss
	Western European - Belgian
	Western European - Frisian
	Western European - Luxembourg
	Northern European
	Northern European - Danish
	Northern European - Finnish
	Northern European - Icelandic
	Northern European - Norwegian
	Northern European - Swedish
	Northern European - Greenlandic
	Southern European
	Southern European - Basque
	Southern European - Catalan
	Southern European - Italian
	Southern European - Maltese
	Southern European - Portuguese
	Southern European - Spanish
	Southern European - Gibraltar
	South Eastern Europe
	South Eastern Europe - Albanian
	South Eastern Europe - Bosnian
	South Eastern Europe - Bulgarian
	South Eastern Europe - Croatian
	South Eastern Europe - Greek
	South Eastern Europe - Macedonian
	South Eastern Europe - Moldovan
	South Eastern Europe - Montenegrin
	South Eastern Europe - Romanian
	South Eastern Europe - Roma/Gypsy
	South Eastern Europe - Serbian
	South Eastern Europe - Slovene
	South Eastern Europe - Cypriot
	South Eastern Europe - Vlach
	Eastern European
	Eastern European - Belarusian
	Eastern European - Czech
	Eastern European - Estonian
	Eastern European - Hungarian
	Eastern European - Latvian
	Eastern European - Lithuanian
	Eastern European - Polish

Case Details: Expanded Dataset

	<p>Eastern European - Russian</p> <p>Eastern European - Slovak</p> <p>Eastern European - Ukrainian</p> <p>Eastern European - Sorb/Wend</p> <p>Arab</p> <p>Arab - Algerian</p> <p>Arab - Egyptian</p> <p>Arab - Iraqi</p> <p>Arab - Jordanian</p> <p>Arab - Kuwaiti</p> <p>Arab - Lebanese</p> <p>Arab - Libyan</p> <p>Arab - Moroccan</p> <p>Arab - Palestinian</p> <p>Arab - Saudi Arabian</p> <p>Arab - Syrian</p> <p>Arab - Tunisian</p> <p>Arab - Yemeni</p> <p>Arab - Baggara</p> <p>Arab - Bedouin</p> <p>Arab - Omani</p> <p>Jewish</p> <p>Other North African and Middle Eastern</p> <p>Other North African and Middle Eastern - Assyrian/Chaldean</p> <p>Other North African and Middle Eastern - Berber</p> <p>Other North African and Middle Eastern - Coptic</p> <p>Other North African and Middle Eastern - Iranian</p> <p>Other North African and Middle Eastern - Kurdish</p> <p>Other North African and Middle Eastern - Sudanese</p> <p>Other North African and Middle Eastern - Turkish</p> <p>Other North African and Middle Eastern - Nubian</p> <p>South-East Asian</p> <p>South-East Asian - Anglo-Burmese</p> <p>South-East Asian - Burmese</p> <p>South-East Asian - Hmong</p> <p>South-East Asian - Khmer</p> <p>South-East Asian - Lao</p> <p>South-East Asian - Thai</p> <p>South-East Asian - Vietnamese</p> <p>South-East Asian - Karen</p> <p>South-East Asian - Mon</p> <p>South-East Asian - Filipino</p> <p>South-East Asian - Indonesian</p>
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Case Details: Expanded Dataset

	South-East Asian - Javanese South-East Asian - Madurese South-East Asian - Malay South-East Asian - Sudanese South-East Asian - Timorese South-East Asian - Acehese South-East Asian - Balinese South-East Asian - Bruneian South-East Asian - Kadazan South-East Asian - Singaporean South-East Asian - Temoq South-East Asian - Irian Jayan South-East Asian - Sumatran Chinese Asian Chinese Asian - Chinese Other North-East Asian Other North-East Asian - Japanese Other North-East Asian - Korean Other North-East Asian - Mongolian Other North-East Asian - Tibetan Southern Asian Southern Asian - Anglo-Indian Southern Asian - Bengali Southern Asian - Burgher Southern Asian - Gujarati Southern Asian - Indian Southern Asian - Malayali Southern Asian - Nepalese Southern Asian - Pakistani Southern Asian - Punjabi Southern Asian - Sikh Southern Asian - Sinhalese Southern Asian - Tamil Southern Asian - Maldivian Central Asian Central Asian - Afghan Central Asian - Armenian Central Asian - Georgian Central Asian - Kazakh Central Asian - Pathan Central Asian - Uzbek Central Asian - Azeri Central Asian - Hazara
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Case Details: Expanded Dataset

	<p>Central Asian - Tajik</p> <p>Central Asian - Tatar</p> <p>Central Asian - Turkmen</p> <p>Central Asian - Uighur</p> <p>Central Asian - Chechen</p> <p>North American</p> <p>North American - African American</p> <p>North American - American</p> <p>North American - Canadian</p> <p>North American - French Canadian</p> <p>North American - Hispanic</p> <p>North American - Native North American Indian</p> <p>North American - Bermudan</p> <p>South American</p> <p>South American - Argentinian</p> <p>South American - Bolivian</p> <p>South American - Brazilian</p> <p>South American - Chilean</p> <p>South American - Colombian</p> <p>South American - Ecuadorian</p> <p>South American - Guyanese</p> <p>South American - Peruvian</p> <p>South American - Uruguayan</p> <p>South American - Venezuelan</p> <p>South American - Paraguayan</p> <p>Central American</p> <p>Central American - Mexican</p> <p>Central American - Nicaraguan</p> <p>Central American - Salvadoran</p> <p>Central American - Costa Rican</p> <p>Central American - Guatemalan</p> <p>Central American - Mayan</p> <p>Central American - Honduran</p> <p>Central American - Panamanian</p> <p>Caribbean Islander</p> <p>Caribbean Islander - Cuban</p> <p>Caribbean Islander - Jamaican</p> <p>Caribbean Islander - Trinidadian (Tobagonian)</p> <p>Caribbean Islander - Barbadian</p> <p>Caribbean Islander - Puerto Rican</p> <p>Caribbean Islander - Bahamian</p> <p>Caribbean Islander - Grenadian</p> <p>Caribbean Islander - Haitian</p>
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Case Details: Expanded Dataset		
		Central and West African Central and West African - Akan Central and West African - Ghanaian Central and West African - Nigerian Central and West African - Yoruba Central and West African - Ivorian Central and West African - Liberian Central and West African - Sierra Leonean Central and West African - Kongo Southern and East African Southern and East African - Afrikaner Southern and East African - Angolan Southern and East African - Eritrean Southern and East African - Ethiopian Southern and East African - Kenyan Southern and East African - Malawian Southern and East African - Mauritian Southern and East African - Mozambican Southern and East African - Oromo Southern and East African - Seychellois Southern and East African - Somali Southern and East African - South African Southern and East African - Tanzanian Southern and East African - Ugandan Southern and East African - Zambian Southern and East African – Zimbabwean Southern and East African - Amhara Southern and East African - Batswana Southern and East African - Dinka Southern and East African - Hutu Southern and East African - Masai Southern and East African - Nuer Southern and East African - Tigrayan Southern and East African - Tigre Southern and East African - Zulu Southern and East African - Namibian Other Unknown
Admission Date	Date field	

Case Details: Expanded Dataset		
Admission Category	Drop down Single select	Elective Emergency Day case Unplanned readmission < 28 Days
Unplanned Readmission	Drop down Single select	No Yes – Bleeding Yes – Electrolyte imbalance Yes – Infection Yes – Intra-abdominal collection Yes – Organ failure Yes – Other cause Yes – Pain Yes – Pulmonary embolism
Funding Type	Drop down Single select	Public Private Veteran Traffic Workcover
Diagnosis Date	Date field	
Pre-management Diagnosis	Type ahead Multi-pick	Terms from the SNOMED Problem/Diagnoses Reference Set maintained by ADHA
Recognised co-morbidities (based on extracts from the Elixhauser and Charlson systems)	Drop down Multi pick	Acquired brain injury AF Alcohol abuse Alzheimer's disease Anaemia - blood loss Anaemia – deficiency Angina pectoris Anxiety Associated syndrome Asthma Benign prostatic hypertrophy Birthweight < 1000 grams Bleeding disorder – VWF, Haemophilia, thrombocytopenia CABG Cancer - lymphoma Cancer - metastatic Cancer - solid tumour without metastasis Cardiac arrhythmia Cholilithiasis Chronic pulmonary disease

Case Details: Expanded Dataset

	<p>COAD</p> <p>Coagulopathy</p> <p>Congenital heart disease</p> <p>Congestive heart failure</p> <p>Connective tissue disorder</p> <p>Current smoker</p> <p>CVA/TIA</p> <p>Dementia</p> <p>Depression</p> <p>Diabetes (complicated)</p> <p>Diabetes (uncomplicated)</p> <p>Diabetes – IDDM</p> <p>Diabetes - NIDDM</p> <p>Drug abuse</p> <p>Epilepsy</p> <p>Ex-smoker</p> <p>Extreme prematurity <28/40</p> <p>Fluid and electrolyte disorders</p> <p>Gallstone pancreatitis</p> <p>Gout</p> <p>GORD</p> <p>Gynaecological malignancy</p> <p>Haemodialysis</p> <p>Hepatic Disease</p> <p>HIV/AIDS</p> <p>Hypercholesterolemia</p> <p>Hyperlipidaemia</p> <p>Hypertension (complicated or uncomplicated)</p> <p>Hyperthyroidism</p> <p>Hypothyroidism</p> <p>Inflammatory arthropathy</p> <p>Intellectual impairment</p> <p>Ischaemic heart disease</p> <p>MI - previous (>30days)</p> <p>MI - recent (<30days)</p> <p>Obesity (BMI >32)</p> <p>Osteoarthritis</p> <p>Osteoporosis</p> <p>Other</p> <p>Other neurological disorders</p> <p>Paralysis</p> <p>Parkinson's disease</p> <p>Peptic ulcer disease excluding bleeding</p>
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Case Details: Expanded Dataset		
		Peripheral vascular disorders Permanent pacemaker Prematurity Previous DVT/PE Previous lower abdominal surgery Previous pelvic surgery Psoriasis Psychosis Pulmonary circulatory disorders Renal failure Rheumatoid arthritis/collagen vascular diseases Schizophrenia Steroid therapy Valvular heart disease Warfarin therapy Weight loss
ASA Grade	Drop down Single-select	I - Normal Healthy Patient II - Mild Systemic Disease III - Severe Systemic Disease IV - Severe Systemic disease that is a constant threat to life V - Moribund patient who is not expected to survive without operation VI - A declared brain-dead patient whose organs are being removed for donor purposes
Wound Infection Risk	Drop down Single-select	Clean Clean/contaminated Contaminated Dirty Other N/A
Type of Anaesthetic	Drop down Single-select	Epidural General Local Sedation Spinal
Prophylaxis	Drop down Multi-pick	Antibiotics DVT prevention
Final diagnosis	Type ahead Multi-pick	Terms from the SNOMED Problem/Diagnoses Reference Set maintained by ADHA
Pathological Diagnosis	Type ahead Multi-pick	Terms from the SNOMED Problem/Diagnoses Reference Set maintained by ADHA

Case Details: Expanded Dataset		
Unplanned ICU Admission	Drop down Single select	No Yes – Arrhythmia Yes – Generalised sepsis Yes – Myocardial infarction Yes – Localised sepsis (wound) Yes – Other cause Yes – Pneumonia Yes – Pulmonary embolism Yes – Renal failure
Return to Theatre	Drop down	No Yes – Bleeding Yes – Collection Yes – Other cause Yes – Other organ/structure injury Yes – Wound dehiscence Yes – Wound sepsis
Discharge Date	Date field	
Admission Outcome	Drop down Single select	Absconded/took own discharge Died Discharged for care or respite Discharged home Referred to other services Transferred for more complex care
Mortality Classification	Drop down Single select [Only available if Admission Outcome = Died]	Death due to complications of comorbidities Death due to complications of surgery Possibly preventable death Unavoidable death with one or more substandard factors in care Unavoidable expected death
Recurrence date	Date field	
Discussed at MDM	Drop down Single select	Yes No
Comments	Text	Free Text, multiple values allowed

Procedural Minimum Dataset: All Procedures		
<p>Procedure Name</p> <p>[multiple procedures can be entered against a single case]</p>	<p>Type ahead</p> <p>Single select</p>	<p><u>SNOMED Logbooks:</u></p> <p>Type ahead will search the synonyms and name from the MALT SNOMED Surgical Reference Set.</p> <p>Users can also have additional procedures added on request by contacting the MALT Help Desk.</p> <p><u>Non-SNOMED Logbooks:</u></p> <p>Specialty specific lists:</p> <ul style="list-style-type: none"> • SET: the list approved by the training board • IMG: the list approved for their assessment • Fellows subspecialising: the list approved for their assessment
<p>Non-operative management</p> <p>[multiple instances of non-operative management can be entered against a single case]</p>	<p>Type ahead</p> <p>Single select</p>	<p><u>SNOMED Logbooks:</u></p> <p>Type ahead will search the terms and synonyms in the SNOMED Problem/Diagnosis Reference Set.</p> <p><u>Non-SNOMED Logbooks:</u></p> <p><i>Individual specialties determine what non-operative management terms are available. This is the current full list of all terms in use, though additional terms can be added on request.</i></p> <p>Acute cholecystitis (non-operative management)</p> <p>Acute gastro-intestinal bleed (upper and rectal)</p> <p>Acute pancreatitis - mild</p> <p>Acute pancreatitis - severe</p> <p>Antibiotics</p> <p>Bed Rest</p> <p>Bony+/- soft tissue +/- internal organ injuries</p> <p>Burn injuries</p> <p>Chronic limb ulcer</p> <p>Chronic pancreatitis</p> <p>Colonic pseudo-obstruction</p> <p>Critical limb ischaemia</p> <p>Dressings</p> <p>Early Trauma resuscitation and management</p> <p>Gastro-intestinal obstruction</p> <p>Intestinal fistula</p> <p>Intestinal ischemia/infarction</p> <p>Intra-abdominal inflammation +/- sepsis</p> <p>Investigations</p> <p>Major organ/Multi-organ injury</p> <p>Observation</p> <p>Palliative care</p> <p>Patient declined further treatment</p> <p>Sigmoidoscopic decompression of volvulus</p> <p>Soft tissue infection</p> <p>Total Parenteral Nutrition</p> <p>Wound complications (sepsis, dehiscence, necrosis)</p>

Level of supervision	Drop down	List of supervision levels for the logbook type:
		<p>List of supervision levels for the logbook type:</p> <p><u>ALL Fellows:</u></p> <p>Primary Surgeon – PS Assisting Scrubbed – AS Observing (not scrubbed) – ONS Available - A</p> <p><u>IMGs:</u></p> <p>Cardiothoracic Surgery Trainee Assisted – B Trainee First Assistant – C Trainee Unassisted - A</p> <p>General Surgery Surgeon Mentor Scrubbed – S1 Surgeon Mentor in Theatre – S2 Surgeon Mentor Available – S3 Assisting Surgeon Mentor – A1 Assisting Senior Registrar – A2</p> <p>Neurosurgery Primary Surgeon – PS Secondary Surgeon – SS Assistant Surgeon – AS</p> <p>Orthopaedic Surgery Surgeon Independent – SI Surgeon Supervised – SS Assistant - A</p> <p>Otolaryngology Head & Neck Surgery Supervisor in theatre not scrubbed – S2 Supervisor scrubbed in theatre – S1 Supervisor on call – S3 Assist/Observe senior surgeon - AO</p> <p>Paediatric Surgery Assistant – A Observer – O Primary Surgeon, Trainer Available – P Primary Surgeon, Training Junior Trainee – T Supervised Surgeon, Trainer in OT – STU Supervised Surgeon, Trainer Scrubbed - STS</p> <p>Plastic Surgery Surgeon alone – SA Mentor available – MA Mentor scrubbed – MS Assistant - A</p> <p>Urology Endo & Lap Primary Surgeon – EPS Endo & Lap Secondary Surgeon – ESS Endo & Lap Assistant / Observer Surgeon – EAS Open Primary Surgeon – OPS Open Secondary Surgeon – OSS Open Assistant Surgeon - OAS</p> <p>Vascular Surgery Primary - P</p>

Assistant – A
Assisting Trainees - AT

SETs:

Cardiothoracic Surgery

Trainee Unassisted – A
Trainee Assisted – B
Trainee First Assistant - C

General Surgery

Surgeon Mentor Scrubbed – S1
Surgeon Mentor in Theatre – S2
Surgeon Mentor Available – S3
Assisting Surgeon Mentor – A1
Assisting Senior Registrar – A2

Neurosurgery

Primary Surgeon – PS
Secondary Surgeon – SS
Assistant Surgeon - AS

Orthopaedic Surgery (NZ)

Assistant – A
Supervised – S
Unsupervised – U
Observed – O

Otolaryngology Head & Neck Surgery

Supervisor in theatre not scrubbed – S2
Supervisor scrubbed in theatre – S1
Supervisor on call – S3
Assist/Observe senior surgeon - AO

Paediatric Surgery

Primary Surgeon, Training Junior Trainee – T
Supervised Surgeon, Trainer in OT – STU
Primary Surgeon, Trainer Available – P
Supervised Surgeon, Trainer Scrubbed – STS
Assistant – A
Observer – O

Paediatric-General Surgery SET2&3

Assistant – A
Observer – O
Primary Surgeon, Trainer Available – P
Primary Surgeon, training junior trainee – T
Supervised Surgeon, Trainer in OT – STU
Supervised Surgeon, Trainer Scrubbed - STS

Plastic Surgery (Aus.)

Surgeon Alone – SA
Mentor Available – MA
Mentor Scrubbed – MS
Assistant – A

Plastic Surgery (NZ)

Surgeon Alone – SA
Mentor Available – MA
Mentor Scrubbed – MS
Assistant – A

		<p>Urology Open Primary Surgeon – OPS Open Secondary Surgeon – OSS Open Assistant Surgeon – OAS Endo & Lap Primary Surgeon – EPS Endo & Lap Secondary Surgeon – ESS Endo & Lap Assistant / Observer Surgeon – EAS</p> <p>Urology – General Surgery nSET1 & SET2 Surgeon Mentor Scrubbed – S1 Surgeon Mentor in Theatre – S2 Surgeon Mentor Available – S3 Assisting Surgeon Mentor – A1 Assisting Surgeon Registrar – A2</p> <p>Vascular Surgery Primary Surgeon– P Assistant – A</p> <p>Training Board in Colon & Rectal Surgery Surgeon Mentor Scrubbed – S1 Surgeon Mentor in Theatre – S2 Surgeon Mentor Available – S3 Surgeon Supervising Registrar – S4 Assistant Surgeon – S5</p> <p>Gastric & Oesophageal Surgery Surgeon Mentor Scrubbed – S1 Surgeon Mentor in Theatre – S2 Surgeon Mentor Available – S3 Assisting Surgeon Mentor – A1 Supervising Junior Surgeon – SJ</p> <p>Hepatic, Pancreatic & Biliary Surgery Surgeon Mentor Scrubbed – S1 Surgeon Mentor in Theatre – S2 Surgeon Mentor Available – S3 Assisting Surgeon Mentor – A1 Supervising Junior Surgeon – SJ</p> <p>J-Docs Independent -1 Supervised – 2 1st Assistant – 3 2nd Assistant – 4 Observed - 5</p> <p>Global Health Primary Surgeon – PS Assisting (scrubbed) – AS Observing (not scrubbed) – ONS Available - A</p>
Outcome (non-operative procedures only)	Drop down Single select	Died Discharged home Transferred to another service Transferred to another hospital
Procedural Expanded Dataset: All Procedures		
Magnitude	Drop down Single select	Complex Intermediate Major

		Minor
Urgency	Drop down Single select	Elective Emergency Planned Day Case Unplanned readmission Urgent
Complications	Drop down Single select	Abandoned TURP Abdominal Pain Abdominal/pelvis collection Acute Brain Syndrome Acute Renal Impairment Aesthetic major Aesthetic minor Anaesthetic complication Anastomotic leak Anastomotic Leak (bowel) Anastomotic Leak (ureteroileal) Anastomotic revision Arrhythmia Atrial Fibrillation Avulsed ureter Bile duct - retained stone Bile duct injury Bile leak requiring intervention Bile leak settling spontaneously Bladder Wall Perforation extraperitoneal vs transperitoneal Bleeding - Haematoma Bleeding - Postoperative Haemorrhage Bleeding - Requiring intervention or hospitalisation Bleeding requiring haemostatic therapy Blocked / Dislodged SPC (requiring operation) Blood Transfusion Bowel Obstruction Requiring Surgery Cardio-respiratory instability Cardiovascular - Cardiac Arrest Cardiovascular - CVA / TIA Cardiovascular - Myocardial Infarction Cardiovascular - Myocardial Ischaemia Cardiovascular - Stroke Chest Infection Clinical anastomotic leak Compartment syndrome Confusion Episode Conversion to Laparotomy CVA Damage to other viscus Dehydration - IV rehydration Diabetes Mellitus (exacerbation) Diarrhoea - antibiotic related Diarrhoea - infective Dislocation Electrolyte imbalance Enterocolitis

	<p> Enterocutaneous fistula Epilepsy Exacerbation arthritis / gout Exacerbation of Dementia Failed Embolisation Failed PUJ repair Open Failed stone removal Failed Trial of Void False Urethral Passage Fat necrosis Fistula Fixation failure Flap failure complete Flap failure partial Fractured stent General - Adverse Drug Reaction General - Confusion General - Death General - Fall General - Fall with fracture General - Fever requiring hospitalisation for IV antibiotics General - Unplanned return to theatre Genitourinary - UTI requiring further antibiotics but not IV Graft failure complete Graft failure partial Haematuria - postoperative clot retention Haemorrhage - return to theatre Haemorrhage - transfusion required Hepatobiliary (Bile leak, cholecystitis etc.) Hernia Hydronephrosis - nephrostomy / stent Hypospadias fistula Ileus / Bowel Obstruction (conservative) Implant failure / extrusion Infection - Abscess (not wound infection) Infection - Cannula site Infection - Clinically significant local Infection - MRSA Infection - VRE Intra-abdominal abscess Intraoperative fracture Intussusception perforation Intussusception recurrence Laparoscopic Conversion to Open - Adhesions Laparoscopic Conversion to Open - Failure to progress Laparoscopic Conversion to Open - Organ Injury Laparoscopic Conversion to Open - Vascular Injury Laparoscopic Intraoperative complication (other) Lymphatic system (chyle leak etc.) Lymphocoele Major organ dysfunction - Acute renal failure Major organ dysfunction - ARDS Major organ dysfunction - Cholestatic jaundice Major organ dysfunction - Hepatic failure </p>
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		<p>Major organ dysfunction - Multi-organ</p> <p>Major organ dysfunction - Shock or hypotension requiring inotropic support</p> <p>Malunion</p> <p>Metabolic / Electrolyte imbalance</p> <p>Nausea / Vomiting</p> <p>Neobladder prolonged leak</p> <p>Nephrostomy - blocked</p> <p>Nephrostomy - dislodged</p> <p>Nerve injury</p> <p>Neuropraxia / pressure area</p> <p>Non union</p> <p>None</p> <p>Obturator Nerve Injury</p> <p>Other</p> <p>Pain Syndrome</p> <p>Pancreatic Abscess</p> <p>Pancreatitis</p> <p>PCNL Adjacent organ injury (egg colon)</p> <p>PCNL Damage to Kidney requiring prolonged drainage</p> <p>PCNL Embolisation</p> <p>PCNL Haemorrhage requiring transfusion</p> <p>PCNL Prolonged haematuria</p> <p>Perforation</p> <p>Peripheral vascular disease</p> <p>Pleural effusion</p> <p>Pneumothorax (chest drain)</p> <p>Postoperative atelectasis</p> <p>Postoperative Corr Calcium less than 2.0mmol/L</p> <p>Postoperative fever >48hrs</p> <p>Postoperative Haematoma</p> <p>Postoperative Haematoma - Conservative</p> <p>Postoperative Haematoma - Conservative Drainage (open or percutaneous)</p> <p>Post-operative haemorrhage</p> <p>Postoperative ileus</p> <p>Post-operative intra-abdominal infection</p> <p>Postoperative pain requiring referral to pain clinic</p> <p>Postoperative Pain requiring stent insertion</p> <p>Postoperative Urinoma - Conservative</p> <p>Postoperative Urinoma Drainage (open/percutaneous)</p> <p>Post-operative wound infection</p> <p>Pressure sores</p> <p>Procedure abandoned</p> <p>Prolonged length of stay</p> <p>Pseudo obstruction</p> <p>Pseudocyst</p> <p>Pulmonary Embolus</p> <p>Pyloromyotomy perforation</p> <p>Radiological anastomotic leak</p> <p>Rectal Injury - oversewn</p> <p>Rectal Injury - stoma and reoperation</p> <p>Renal Failure Requiring Dialysis</p> <p>Reoperation unplanned</p>
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		Respiratory - Pneumonia Respiratory Failure Retained Stent Retention of urine Sepsis - Bacteraemia/septicaemia Sepsis - Endocarditis Sepsis - Line related Sepsis - Septic shock Septacemia Seroma Sinus Small bowel obstruction Splenectomy Stent / Nephrostomy - dislodged Stent syndrome/stent removal Subphrenic abscess Superficial wound dehiscence Temporary recurrent laryngeal nerve palsy Tendon rupture Thromboembolism Thrombosis - DVT Thrombosis - PE Total wound dehiscence TURP syndrome Unplanned ICU admission Unplanned readmission after discharge Ureteric Injury Ureteric perforation Ureteric transection Urethral Stricture Urethral Stricture late comp Urethrolisis for retention post incontinence procedure Urinary Retention Urinary tract infection Urinoma / Collection / Abscess - drainage Urosepsis Use of reversal agents (naloxone and flumazenil) Wound breakdown or dehiscence Wound erythema Wound excessive bleeding Wound infection (discharge of pus) Wound infection requiring further surgery
Complications grade [Clavien Dindo grading]	Drop down Single select	CD1: Deviation from normal postoperative course without need for surgical, radiological, endoscopic or pharmacological interventions, EXCEPTING anti-emetics, anti-pyretics, analgesics, diuretics, electrolytes, physiotherapy & wounds opened at bedside CD2: Requiring pharmacological treatment (other than that allowed for CD1), including blood transfusion or TPN CD3a: Complication which necessitates intervention, surgical, endoscopic or radiological, NOT REQUIRING GENERAL ANAESTHESIA

		<p>CD3b: Complication which necessitates intervention, surgical, endoscopic or radiological, REQUIRING GENERAL ANAESTHESIA</p> <p>CD4a: Life threatening complications requiring ICU management: SINGLE ORGAN DYSFUNCTION, INCLUDING DIALYSIS</p> <p>CD4b: Life threatening complications requiring ICU management: MULTIORGAN DYSFUNCTION</p> <p>CD5: Death</p> <p>No Complications</p> <p>No specified grade</p>
Follow-up date	Date field	
Follow-up findings and plan	Free text	

Note: many procedures in MALT have additional fields associated with them, and more can be added on request. For example, colonoscopy and gastroscopy have additional fields associated with measuring the success of the procedure, and some cancer related procedures record TNM staging data.