eTable 1. Included surgical procedures and their Canadian Classification of Health Intervention codes

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| Gastric, intestinal, rectal surgery | 1NF80DA | Repair, stomach endoscopic [laparoscopic] approach using apposition technique [e.g. sutures] |
| 1NF80DAXXE | Repair, stomach endoscopic [laparoscopic] approach using local transposition flap[e.g. omentum patch] |
| 1NF80DAXXN | Repair, stomach endoscopic [laparoscopic] approach using synthetic tissue[e.g. mesh, sponge, gortex] |
| 1NF80LA | Repair, stomach open approach using apposition technique [e.g. sutures] |
| 1NF80LAXXE | Repair, stomach open approach using local transposition flap[e.g. omentum patch] |
| 1NF80LAXXN | Repair, stomach open approach using synthetic tissue[e.g. mesh, sponge, gortex] |
| 1NF87DA | Excision partial, stomach without vagotomy using endoscopic [laparoscopic] approach simple apposition technique or no closure  |
|   | needed for tissue regeneration [e.g. for polypectomy] |
| 1NF87DG | Excision partial, stomach without vagotomy endoscopic [laparoscopic] approach esophagogastric anastomosis |
| 1NF87DH | Excision partial, stomach without vagotomy endoscopic [laparoscopic] approach gastroduodenal anastomosis |
| 1NF87DJ | Excision partial, stomach with vagotomy endoscopic [laparoscopic] approach gastroduodenal anastomosis |
| 1NF87DL | Excision partial, stomach with vagotomy endoscopic [laparoscopic] approach gastrojejunal [or gastroenteral NEC] anastomosis |
| 1NF87DQ | Excision partial, stomach without vagotomy endoscopic [laparoscopic] approach gastrojejunal [or gastroenteral NEC] anastomosis |
| 1NF87GX | Excision partial, stomach with vagotomy endoscopic [laparoscopic] approach esophagogastric anastomosis |
| 1NF87LA | Excision partial, stomach open approach and simple apposition technique or no closure needed for tissue regeneration |
|   |  [e.g. for polypectomy] |
| 1NF87RG | Excision partial, stomach without vagotomy open approach gastroduodenal anastomosis |
| 1NF87RH | Excision partial, stomach with vagotomy open approach gastroduodenal anastomosis |
| 1NF87RJ | Excision partial, stomach without vagotomy open approach gastrojejunal [or gastroenteral NEC] anastomosis |
| 1NF87RK | Excision partial, stomach with vagotomy open approach gastrojejunal [or gastroenteral NEC] anastomosis |
| 1NF87RP | Excision partial, stomach without vagotomy open approach esophagogastric anastomosis |
| 1NF87SH | Excision partial, stomach with vagotomy open approach esophagogastric anastomosis |
| 1NF89DZ | Excision total, stomach endoscopic [laparoscopic] approach Esophagojejunal [or esophagoenteral NEC] anastomosis |
| 1NF89GW | Excision total, stomach endoscopic [laparoscopic] approach Esophagoduodenal anastomosis |
| 1NF89SG | Excision total, stomach open approach Esophagoduodenal anastomosis |
| 1NF89TH | Excision total, stomach open approach Esophagojejunal [or esophagoenteral NEC] anastomosis |
| 1NF90LAXXG | Excision total with reconstruction, stomach using open approach with jejunum (to construct pouch) |
| 1NF91RG | Excision radical, stomach open approach with gastroduodenal anastomosis |
| 1NF91RJ | Excision radical, stomach open approach with gastrojejunal [or gastroenteral NEC] anastomosis |
| 1NF91RP | Excision radical, stomach open approach with esophagogastric anastomosis |
| 1NF91SG | Excision radical, stomach open approach with esophagoduodenal anastomosis |
| 1NF92LAXXG | Excision radical with reconstruction, stomach using open approach with jejunum (to construct pouch) |
| 1NK52DA | Drainage, small intestine endoscopic [laparoscopic] approach aspiration [suction] technique |
| 1NK52LA | Drainage, small intestine open approach aspiration [suction] technique |
| 1NK52UW | Drainage, small intestine open approach manual [milking] technique [e.g. back to stomach for suction drainage] |
| 1NK74LA | Fixation, small intestine using suture technique (intestinal loops sewn together to abdominal wall) |
| 1NK74VT | Fixation, small intestine using transmesenteric plication technique |
| 1NK74VTTS | Fixation, small intestine using plication technique with intestinal tube in situ |
| 1NK76DN | Bypass, small intestine endoscopic [laparoscopic] approach Enterocolostomy bypass technique |
| 1NK76DP | Bypass, small intestine endoscopic [laparoscopic] approach Enteroenterostomy bypass technique |
| 1NK76DQ | Bypass, small intestine endoscopic [laparoscopic] approach Gastroenterostomy bypass technique |
| 1NK76DR | Bypass, small intestine endoscopic [laparoscopic] approach Proximal vagotomy with gastroenterostomy bypass technique |
| 1NK76DS | Bypass, small intestine endoscopic [laparoscopic] approach Truncal vagotomy (or vagotomy NOS) with gastroenterostomy |
|   |  bypass technique |
| 1NK76RE | Bypass, small intestine open approach Enterocolostomy bypass technique |
| 1NK76RF | Bypass, small intestine open approach Enteroenterostomy bypass technique |
| 1NK76RJ | Bypass, small intestine open approach Gastroenterostomy bypass technique |
| 1NK76SK | Bypass, small intestine open approach Proximal vagotomy with gastroenterostomy bypass technique |
| 1NK76SL | Bypass, small intestine open approach Truncal vagotomy (or vagotomy NOS) with gastroenterostomy bypass technique |
| 1NK77EM | Bypass with exteriorization, small intestine endoscopic [laparoscopic] approach feeding enterostomy (e.g. jejunostomy) |
| 1NK77EN | Bypass with exteriorization, small intestine endoscopic [laparoscopic] approach end enterostomy (e.g. terminal, end or  |
|   | loop ileostomy) |
| 1NK77RQ | Bypass with exteriorization, small intestine open approach feeding enterostomy (e.g. jejunostomy) |
| 1NK77RR | Bypass with exteriorization, small intestine open approach end enterostomy (e.g. terminal, end or loop ileostomy) |
| 1NK77RRXXG | Bypass with exteriorization, small intestine open approach continent ileostomy using pedicled flap |
| 1NK80DA | Repair, small intestine endoscopic [laparoscopic] approach using apposition technique [e.g. suturing, stapling] |
| 1NK80DAW2 | Repair, small intestine endoscopic [laparoscopic] approach using collagen powder |
| 1NK80DAW3 | Repair, small intestine endoscopic [laparoscopic] approach using fibrin glue |
| 1NK80DAXXE | Repair, small intestine endoscopic [laparoscopic] approach using local transposition flap [e.g. omental patch] |
| 1NK80LA | Repair, small intestine open approach using apposition technique [e.g. suturing, stapling] |
| 1NK80LAW2 | Repair, small intestine open approach using collagen powder |
| 1NK80LAW3 | Repair, small intestine open approach using fibrin glue |
| 1NK80LAXXE | Repair, small intestine open approach using local transposition flap [e.g. omental patch] |
| 1NK82DN | Reattachment, small intestine endoscopic [laparoscopic] approach of enterocolostomy [diversionary] |
| 1NK82DP | Reattachment, small intestine endoscopic [laparoscopic] approach of enteroenterostomy [diversionary] |
| 1NK82EM | Reattachment, small intestine endoscopic [laparoscopic] approach of feeding jejunostomy |
| 1NK82EN | Reattachment, small intestine endoscopic [laparoscopic] approach of ileostomy |
| 1NK82RE | Reattachment, small intestine open approach of enterocolostomy [diversionary] |
| 1NK82RF | Reattachment, small intestine open approach of enteroenterostomy [diversionary] |
| 1NK82RQ | Reattachment, small intestine open approach of feeding jejunostomy |
| 1NK82RR | Reattachment, small intestine open approach of ileostomy |
| 1NK84RRXXG | Construction or reconstruction, small intestine using ileum (to construct ileostomy pouch) |
| 1NK87DA | Excision partial, small intestine endoscopic [laparoscopic] approach Simple excisional technique |
| 1NK87DN | Excision partial, small intestine endoscopic [laparoscopic] approach Enterocolostomy anastomosis technique |
| 1NK87DP | Excision partial, small intestine endoscopic [laparoscopic] approach Enteroenterostomy anastomosis technique |
| 1NK87DX | Excision partial, small intestine endoscopic [laparoscopic] approach Stoma formation with distal closure |
| 1NK87DY | Excision partial, small intestine endoscopic [laparoscopic] approach Stoma formation with mucous fistula |
| 1NK87LA | Excision partial, small intestine open approach Simple excisional technique |
| 1NK87RE | Excision partial, small intestine open approach Enterocolostomy anastomosis technique |
| 1NK87RF | Excision partial, small intestine open approach Enteroenterostomy anastomosis technique |
| 1NK87TF | Excision partial, small intestine open approach Stoma formation with distal closure |
| 1NK87TG | Excision partial, small intestine open approach Stoma formation with mucous fistula |
| 1NM52DA | Drainage, large intestine endoscopic [laparoscopic] approach using aspiration [suction] technique |
| 1NM52LA | Drainage, large intestine open approach using aspiration [suction] technique |
| 1NM52LATS | Drainage, large intestine open approach leaving drainage/decompression tube in situ |
| 1NM52UW | Drainage, large intestine open approach using manual [milking] technique [e.g. to rectum for suction drainage] |
| 1NM74LA | Fixation, large intestine using suture technique [intestinal loops sewn together to abdominal wall] |
| 1NM74VT | Fixation, large intestine using transmesenteric plication technique |
| 1NM74VTTS | Fixation, large intestine using plication technique with intestinal tube in situ |
| 1NM76DF | Bypass, large intestine endoscopic[laparoscopic]approach using diversionary colocolostomy |
| 1NM76DN | Bypass, large intestine endoscopic[laparoscopic]approach using diversionary enterocolostomy |
| 1NM76RE | Bypass, large intestine open approach using diversionary enterocolostomy |
| 1NM76RN | Bypass, large intestine open approach using diversionary colocolostomy |
| 1NM77DY | Bypass with exteriorization, large intestine stoma formation with creation of mucous fistula |
| 1NM77EP | Bypass with exteriorization, large intestine colostomy using endoscopic [laparoscopic] approach |
| 1NM77RS | Bypass with exteriorization, large intestine colostomy using open approach |
| 1NM77RSXXG | Bypass with exteriorization, large intestine continent cecostomy using pedicled flap using open approach |
| 1NM80DA | Repair, large intestine endoscopic [laparoscopic] approach using apposition technique [e.g. suturing, stapling] |
| 1NM80DAFH | Repair, large intestine endoscopic [laparoscopic] approach using biodegradable binding ring |
| 1NM80DAW2 | Repair, large intestine endoscopic [laparoscopic] approach using collagen powder |
| 1NM80DAW3 | Repair, large intestine endoscopic [laparoscopic] approach using fibrin glue |
| 1NM80DAXXE | Repair, large intestine endoscopic [laparoscopic] approach using local transposition flap [e.g. omental patch] |
| 1NM80LA | Repair, large intestine open approach using apposition technique [e.g. suturing, stapling] |
| 1NM80LAFH | Repair, large intestine open approach using biodegradable binding ring |
| 1NM80LAW2 | Repair, large intestine open approach using collagen powder |
| 1NM80LAW3 | Repair, large intestine open approach using fibrin glue |
| 1NM80LAXXE | Repair, large intestine open approach using local transposition flap [e.g. omental patch] |
| 1NM82DF | Reattachment, large intestine endoscopic [laparoscopic] approach of diversionary colocolostomy |
| 1NM82EP | Reattachment, large intestine endoscopic [laparoscopic] approach of colostomy [may involve: reanastomosis of colon to  |
|   | (Hartmann) rectal stump or mucous fistula] |
| 1NM82RN | Reattachment, large intestine open approach of diversionary colocolostomy |
| 1NM82RS | Reattachment, large intestine open approach of colostomy [may involve: reanastomosis of colon to (Hartmann) rectal |
|   |  stump or mucous fistula] |
| 1NM87DA | Excision partial, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach simple |
|   |  excisional technique |
| 1NM87DE | Excision partial, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach colorectal  |
|   | anastomosis technique |
| 1NM87DF | Excision partial, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach colocolostomy |
|   |  anastomosis technique |
| 1NM87DN | Excision partial, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach enterocolostomy |
|   |  anastomosis technique |
| 1NM87DX | Excision partial, large intestine stoma formation and distal closure |
| 1NM87DY | Excision partial, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach stoma formation  |
|   | with creation of mucous fistula |
| 1NM87LA | Excision partial, large intestine open approach Simple excisional technique |
| 1NM87PN | Excision partial, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach robotic assisted  |
|   | telemanipulation of tools [telesurgery] |
| 1NM87RD | Excision partial, large intestine open approach Colorectal anastomosis technique |
| 1NM87RE | Excision partial, large intestine open approach Enterocolostomy anastomosis technique |
| 1NM87RN | Excision partial, large intestine open approach Colocolostomy anastomosis technique |
| 1NM87TF | Excision partial, large intestine open approach Stoma formation with distal closure |
| 1NM87TG | Excision partial, large intestine open approach Stoma formation with creation of mucous fistula |
| 1NM89DF | Excision total, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach ileorectal [endorectal, |
|   |  ileoproctostomy] anastomosis technique |
| 1NM89DX | Excision total, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach stoma formation |
|   |  with distal closure |
| 1NM89RN | Excision total, large intestine open approach using Ileorectal [endorectal, ileoproctostomy] anastomosis technique |
| 1NM89TF | Excision total, large intestine open approach Stoma formation with distal closure |
| 1NM91DE | Excision radical, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach colorectal |
|   | anastomosis technique |
| 1NM91DF | Excision radical, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach colocolostomy  |
|   | anastomosis technique |
| 1NM91DN | Excision radical, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach enterocolostomy |
|   |  anastomosis technique |
| 1NM91DX | Excision radical, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach stoma formation |
|   |  with distal closure |
| 1NM91DY | Excision radical, large intestine endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach stoma formation |
|   |  with creation of mucous fistula |
| 1NM91RD | Excision radical, large intestine open approach Colorectal anastomosis technique |
| 1NM91RE | Excision radical, large intestine open approach Enterocolostomy anastomosis technique |
| 1NM91RN | Excision radical, large intestine open approach Colocolostomy anastomosis technique |
| 1NM91TF | Excision radical, large intestine open approach Stoma formation with distal closure |
| 1NM91TG | Excision radical, large intestine open approach Stoma formation with creation of mucous fistula |
| 1NP72DA | Release, small with large intestine using endoscopic [laparoscopic] approach |
| 1NP72DAAG | Release, small with large intestine using endoscopic [laparoscopic] approach and laser |
| 1NP72LA | Release, small with large intestine using open approach |
| 1NP72LAAG | Release, small with large intestine using open approach and laser |
| 1NP73DA | Reduction, small and large intestine using endoscopic [laparoscopic] approach |
| 1NP73JH | Reduction, small with large intestine using manual technique (for hernia reduction alone) |
| 1NP73LA | Reduction, small with large intestine using open approach |
| 1NP86MBW3 | Closure of fistula, small and large intestine using fibrin [glue] for fistula terminating at skin (or subcutaneous tissue) |
| 1NP86MBXXA | Closure of fistula, small with large intestine using autograft [e.g. skin, fascia graft] for fistula terminating at skin |
|   |  [or subcutaneous tissue] |
| 1NP86MBXXE | Closure of fistula, small with large intestine using local flap [e.g. omental, mesenteric patch] for fistula terminating at skin |
|   |  [or subcutaneous tissue] |
| 1NP86MBXXF | Closure of fistula, small with large intestine using free flap [e.g. intestinal interpositional flap or free muscle flap] for fistula |
|   | terminating at skin [or subcutaneous tissue] |
| 1NP86MBXXG | Closure of fistula, small with large intestine using pedicled flap [e.g. advancement muscle flap] for fistula terminating at skin  |
|   | [or subcutaneous tissue] |
| 1NP86MEW3 | Closure of fistula, small and large intestine using fibrin [glue] fistula terminating in abdominal cavity [any organ of digestive or biliary tract] |
| 1NP86MEXXA | Closure of fistula, small with large intestine using autograft [e.g. skin, fascia graft] for fistula terminating in abdominal cavity [any organ of  |
|   | digestive or biliary tract] |
| 1NP86MEXXE | Closure of fistula, small with large intestine using local flap [e.g. omental, mesenteric patch] for fistula terminating in abdominal cavity |
|   |  [any organ of digestive or biliary tract] |
| 1NP86MEXXF | Closure of fistula, small with large intestine using free flap [e.g. intestinal interpositional flap or free muscle flap] for fistula terminating in  |
|   | abdominal cavity [any organ of digestive or biliary tract] |
| 1NP86MEXXG | Closure of fistula, small with large intestine using pedicled flap [e.g. advancement muscle flap] for fistula terminating in abdominal cavity |
|   |  [any organ of digestive or biliary tract] |
| 1NP86MHW3 | Closure of fistula, small and large intestine using fibrin [glue] for fistula terminating in genital tract |
| 1NP86MHXXA | Closure of fistula, small with large intestine using autograft [e.g. skin, fascia graft] for fistula terminating in genital tract |
| 1NP86MHXXE | Closure of fistula, small with large intestine using local flap [e.g. omental, mesenteric patch] for fistula terminating in genital tract |
| 1NP86MHXXF | Closure of fistula, small with large intestine using free flap [e.g. intestinal interpositional flap or free muscle flap] for fistula terminating |
|   |  in genital tract |
| 1NP86MHXXG | Closure of fistula, small with large intestine using pedicled flap [e.g. advancement muscle flap] for fistula terminating in genital tract |
| 1NP86MQW3 | Closure of fistula, small and large intestine using fibrin [glue] for fistula terminating in thoracic cavity |
| 1NP86MQXXA | Closure of fistula, small with large intestine using autograft [e.g. skin, fascia graft] for fistula terminating in thoracic cavity |
| 1NP86MQXXE | Closure of fistula, small with large intestine using local flap [e.g. omental, mesenteric patch] for fistula terminating in thoracic cavity |
| 1NP86MQXXF | Closure of fistula, small with large intestine using free flap [e.g. intestinal interpositional flap or free muscle flap] for fistula terminating |
|   |  in thoracic cavity |
| 1NP86MQXXG | Closure of fistula, small with large intestine using pedicled flap [e.g. advancement muscle flap] for fistula terminating in thoracic cavity |
| 1NP86MRW3 | Closure of fistula, small and large intestine using fibrin [glue] for fistula terminating in urinary tract |
| 1NP86MRXXA | Closure of fistula, small with large intestine using autograft [e.g. skin, fascia graft] for fistula terminating in urinary tract |
| 1NP86MRXXE | Closure of fistula, small with large intestine using local flap [e.g. omental, mesenteric patch] for fistula terminating in urinary tract |
| 1NP86MRXXF | Closure of fistula, small with large intestine using free flap [e.g. intestinal interpositional flap or free muscle flap] for fistula |
|   | terminating in urinary tract |
| 1NP86MRXXG | Closure of fistula, small with large intestine using pedicled flap [e.g. advancement muscle flap] for fistula terminating in urinary tract |
| 1NP86MTW3 | Closure of fistula, small and large intestine using fibrin [glue] for fistula travelling through multiple cavities and terminating in any organ(s) |
|   |  or at skin |
| 1NP86MTXXA | Closure of fistula, small with large intestine using autograft [e.g. skin, fascia graft] for fistula travelling through multiple cavities and |
|   |  terminating in any organ(s) or at skin |
| 1NP86MTXXE | Closure of fistula, small with large intestine using local flap [e.g. omental, mesenteric patch] for fistula travelling through multiple cavities  |
|   | and terminating in any organ(s) or at skin |
| 1NP86MTXXF | Closure of fistula, small with large intestine using free flap [e.g. intestinal interpositional flap or free muscle flap] for fistula travelling  |
|   | through multiple cavities and terminating in any organ(s) or at skin |
| 1NP86MTXXG | Closure of fistula, small with large intestine using pedicled flap [e.g. advancement muscle flap] for fistula travelling through multiple  |
|   | cavities and terminating in any organ(s) or at skin |
| 1NQ52LA | Drainage, rectum open approach simple drainage technique |
| 1NQ52LATS | Drainage, rectum open approach with catheter left in situ |
| 1NQ59LAAD | Destruction, rectum open approach using cryoprobe |
| 1NQ59LAGX | Destruction, rectum open approach using device NEC |
| 1NQ59LAAG | Destruction, rectum open approach using laser |
| 1NQ72LA | Release, rectum using open abdominal approach |
| 1NQ72PB | Release, rectum using open perineal approach |
| 1NQ74DW | Fixation, rectum endoscopic [abdominal] approach using circular stapling or suturing technique |
| 1NQ74ED | Fixation, rectum endoscopic [abdominal] approach using suture or sling fixation [e.g. to sacrum] |
| 1NQ74EJ | Fixation, rectum endoscopic [abdominal] approach using plication [imbrication] of anorectal muscle |
| 1NQ74PC | Fixation, rectum perineal approach using circular stapling or suturing technique |
| 1NQ74PD | Fixation, rectum perineal approach [includes pull-through, DeLorme, transanal] using suture or sling fixation [e.g. to sacrum] |
| 1NQ74PE | Fixation, rectum perineal approach [includes pull-through, DeLorme, transanal] using plication [imbrication] of anorectal muscle |
| 1NQ74SS | Fixation, rectum abdominal approach using circular stapling or suturing technique |
| 1NQ74TV | Fixation, rectum abdominal approach using suture or sling fixation [e.g. to sacrum] |
| 1NQ74VT | Fixation, rectum abdominal approach using plication [imbrication] of anorectal muscle |
| 1NQ80LA | Repair, rectum using open abdominal approach |
| 1NQ80PB | Repair, rectum using open perineal approach |
| 1NQ80PF | Repair, rectum using posterior [sagittal] approach |
| 1NQ84DAXXG | Construction or reconstruction, rectum using endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach with ileum |
|   |  (to.construct pouch) |
| 1NQ84LAXXG | Construction or reconstruction, rectum using open approach with ileum (to construct pouch) |
| 1NQ86MBW3 | Closure of fistula, rectum using fibrin [glue] for fistula terminating at skin or subcutaneous tissue [e.g. anorectal] |
| 1NQ86MBXXE | Closure of fistula, rectum using local transposition flap [e.g. mucosal advancement flap] for fistula terminating at skin or  |
|   | subcutaneous tissue [e.g. anorectal] |
| 1NQ86MBXXF | Closure of fistula, rectum using free (myocutaneous) flap for fistula terminating at skin or subcutaneous tissue [e.g. anorectal] |
| 1NQ86MBXXG | Closure of fistula, rectum using distant pedicled flap for fistula terminating at skin or subcutaneous tissue [e.g. anorectal] |
| 1NQ86MBXXL | Closure of fistula, rectum, using xenograft [e.g. Surgisis anal plug] for fistula terminating at skin or subcutaneous tissue [e.g. anorectal] |
| 1NQ86MEW3 | Closure of fistula, rectum using fibrin [glue] for fistula terminating in abdominal cavity [e.g. any organ of digestive or biliary tract] |
| 1NQ86MEXXE | Closure of fistula, rectum using local transposition flap [e.g. mucosal advancement flap] for fistula terminating in abdominal cavity  |
|   | [e.g. any organ of digestive or biliary tract] |
| 1NQ86MEXXF | Closure of fistula, rectum using free (myocutaneous) flap for fistula terminating in abdominal cavity [e.g. any organ of digestive or biliary tract] |
| 1NQ86MEXXG | Closure of fistula, rectum using distant pedicled flap for fistula terminating in abdominal cavity [e.g. any organ of digestive or biliary tract] |
| 1NQ86MEXXL | Closure of fistula, rectum, using xenograft [e.g. Surgisis anal plug] for fistula terminating in abdominal cavity [e.g. any organ of |
|   |  digestive or biliary tract] |
| 1NQ86MHW3 | Closure of fistula, rectum using fibrin [glue] for fistula terminating in genital tract |
| 1NQ86MHXXE | Closure of fistula, rectum using local transposition flap [e.g. mucosal advancement flap] for fistula terminating in genital tract |
| 1NQ86MHXXF | Closure of fistula, rectum using free (myocutaneous) flap for fistula terminating in genital tract |
| 1NQ86MHXXG | Closure of fistula, rectum using distant pedicled flap for fistula terminating in genital tract |
| 1NQ86MHXXL | Closure of fistula, rectum, using xenograft [e.g. Surgisis anal plug] for fistula terminating in genital tract |
| 1NQ86MRW3 | Closure of fistula, rectum using fibrin [glue] for fistula terminating in urinary tract |
| 1NQ86MRXXE | Closure of fistula, rectum using local transposition flap [e.g. mucosal advancement flap] for fistula terminating in urinary tract |
| 1NQ86MRXXF | Closure of fistula, rectum using free (myocutaneous) flap for fistula terminating in urinary tract |
| 1NQ86MRXXG | Closure of fistula, rectum using distant pedicled flap for fistula terminating in urinary tract |
| 1NQ86MRXXL | Closure of fistula, rectum, using xenograft [e.g. Surgisis anal plug] for fistula terminating in urinary tract |
| 1NQ87DA | Excision partial, rectum endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach closure by apposition technique  |
|   | [e.g. suturing, stapling] or no closure required (for tissue regeneration) |
| 1NQ87DE | Excision partial, rectum endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach colorectal anastomosis technique |
| 1NQ87DF | Excision partial, rectum endoscopic [laparoscopic] approach colorectal anastomosis technique |
| 1NQ87DX | Excision partial, rectum endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach stoma formation with distal closure |
| 1NQ87LA | Excision partial, rectum open abdominal [e.g. anterior] approach closure by apposition technique [e.g. suturing, stapling] or no closure  |
|   | required (for tissue regeneration) |
| 1NQ87PF | Excision partial, rectum posterior [e.g. entering through incision between coccyx and anal verge with proctotomy] approach closure  |
|   | by apposition technique [e.g. suturing, stapling] or no closure required (for tissue regeneration) |
| 1NQ87PN | Excision partial, rectum endoscopic [laparoscopic, laparoscopic-assisted, hand-assisted] approach robotic assisted telemanipulation of tools |
|   |  [telesurgery] |
| 1NQ87RD | Excision partial, rectum open abdominal [e.g. anterior] approach colorectal anastomosis technique |
| 1NQ87TF | Excision partial, rectum open abdominal approach [e.g. anterior] stoma formation with distal closure |
| 1NQ89AB | Excision total, rectum, stoma formation with distal closure, combined endoscopic [laparoscopic] abdominoperineal approach |
| 1NQ89GV | Excision total, rectum combined endoscopic [abdominal] with perineal approach coloanal anastomosis technique |
| 1NQ89KZ | Excision total, rectum abdominoperineal approach coloanal anastomosis technique |
| 1NQ89KZXXG | Excision total, rectum abdominoperineal approach pouch formation |
| 1NQ89LH | Excision total, rectum abdominoperineal approach Stoma formation with distal closure |
| 1NQ89LHXXG | Excision total, rectum abdominoperineal approach Continent ileostomy formation |
| 1NQ89RS | Excision total, rectum abdominal [anterior] approach Stoma formation with distal closure |
| 1NQ89RSXXG | Excision total, rectum abdominal [anterior] approach Continent ileostomy formation |
| 1NQ89SF | Excision total, rectum abdominal [anterior] approach coloanal anastomosis technique |
| 1NQ89SFXXG | Excision total, rectum abdominal [anterior] approach pouch formation |
| Liver Resection | 1OA87DA | Excision partial, liver using endoscopic (laparoscopic)approach |
| 1OA87LA | Excision partial, liver using open approach |
| 1OA87LAAZ | Excision partial, liver using ultrasonic aspirator device (for dissection) and open approach |
| Esophagus | 1NA80DB | Repair, esophagus using apposition technique [e.g. suturing] for closure using endoscopic abdominal approach [includes: open cervical with |
|   | laparoscopic approach] |
| 1NA80DBXXE | Repair, esophagus using local transposition flap [e.g. gastric fundus wrap, fundoplication] for closure using endoscopic abdominal approach  |
|   | [includes: open cervical with laparoscopic approach] |
| 1NA80DBXXF | Repair, esophagus using free flap [e.g. free muscle or interpositional intestinal flap] for closure using endoscopic abdominal approach |
|   | [includes: open cervical with laparoscopic approach] |
| 1NA80EZ | Repair, esophagus using apposition technique [e.g. suturing] for closure using endoscopic thoracic approach [thoracoscopic, cervical with  |
|   | thoracoscopic] |
| 1NA80EZXXE | Repair, esophagus using local transposition flap [e.g. gastric fundus wrap, fundoplication] for closure using endoscopic thoracic approach |
|   | [thoracoscopic, cervical with thoracoscopic] |
| 1NA80FA | Repair, esophagus using apposition technique [e.g. suturing] for closure using combined endoscopic thoraco-abdominal approach |
| 1NA80FAXXE | Repair, esophagus using local transposition flap [e.g. gastric fundus wrap, fundoplication] for closure using combined endoscopic |
|   | thoraco-abdominal approach |
| 1NA80FAXXF | Repair, esophagus using free flap [e.g. free muscle or interpositional intestinal flap] for closure using combined endoscopic  |
|   | thoraco-abdominal approach |
| 1NA80FAXXG | Repair, esophagus using pedicled flap [e.g. pleura, diaphragm, pericardium] for closure using combined endoscopic  |
|   | thoraco-abdominal approach |
| 1NA80LB | Repair, esophagus using apposition technique [e.g. suturing] for closure using open abdominal approach [includes: cervical  |
|   | with abdominal approach, transhiatal approach] |
| 1NA80LBXXE | Repair, esophagus using local transposition flap [e.g. gastric fundus wrap, fundoplication] for closure using open abdominal  |
|   | approach [includes: cervical with abdominal approach, transhiatal approach] |
| 1NA80LBXXF | Repair, esophagus using free flap [e.g. free muscle or interpositional intestinal flap] for closure using open abdominal approach  |
|   | [includes: cervical with abdominal approach, transhiatal approach] |
| 1NA80LP | Repair, esophagus using apposition technique [e.g. suturing] for closure using open cervical approach |
| 1NA80LPXXF | Repair, esophagus using free flap [e.g. free muscle or interpositional intestinal flap] for closure using open cervical approach |
| 1NA80PN | Repair, esophagus using robotic assisted telemanipulation of tools [telesurgery] using apposition technique [e.g. suturing] for closure |
| 1NA80QB | Repair, esophagus using apposition technique [e.g. suturing] for closure using open thoracic approach [includes: open |
|   | cervicothoracic approach] |
| 1NA80QBXXE | Repair, esophagus using local transposition flap [e.g. gastric fundus wrap, fundoplication] for closure using open thoracic approach  |
|   | [includes: open cervicothoracic approach] |
| 1NA80QBXXF | Repair, esophagus using free flap [e.g. free muscle or interpositional intestinal flap] for closure using open thoracic approach [includes: open  |
|   | cervicothoracic approach] |
| 1NA80QBXXG | Repair, esophagus using pedicled flap [e.g. pleura, diaphragm, pericardium] for closure using open thoracic approach [includes: open  |
|   | cervicothoracic approach] |
| 1NA80QG | Repair, esophagus using apposition technique [e.g. suturing] for closure using combined open thoraco-abdominal approach (includes: open  |
|   | cervical with thoraco-abdominal approach) |
| 1NA80QGXXE | Repair, esophagus using local transposition flap [e.g. gastric fundus wrap, fundoplication] for closure using combined open thoraco- |
|   | abdominal approach (includes: open cervical with thoraco-abdominal approach) |
| 1NA80QGXXF | Repair, esophagus using free flap [e.g. free muscle or interpositional intestinal flap] for closure using combined open thoraco-abdominal |
|   | approach (includes: open cervical with thoraco-abdominal approach) |
| 1NA80QGXXG | Repair, esophagus using pedicled flap [e.g. pleura, diaphragm, pericardium] for closure using combined open thoraco-abdominal approach  |
|   | (includes: open cervical with thoraco-abdominal approach) |
| 1NA82QG | Reattachment, esophagus of esophagogastrostomy |
| 1NA82SQ | Reattachment, esophagus of chest wall esophagostomy |
| 1NA82TC | Reattachment, esophagus of end cervical esophagostomy |
| 1NA82TH | Reattachment, esophagus of esophagoenterostomy |
| 1NA84QB | Construction or reconstruction, esophagus without tracheoesophageal fistula repair[e.g. abdominal esophagus absent] Open  |
|   | thoracic approach |
| 1NA84QE | Construction or reconstruction, esophagus with tracheoesophageal fistula repair Open thoracic approach |
| 1NA84QF | Construction or reconstruction, esophagus without tracheoesophageal fistula repair[e.g. abdominal esophagus absent] Open  |
|   | thoraco-abdominal approach |
| 1NA84QJ | Construction or reconstruction, esophagus with tracheoesophageal fistula repair Open thoraco-abdominal approach |
| 1NA87BA | Excision partial, esophagus using apposition technique [e.g. suturing] or no closure required for tissue regeneration [e.g. polyp] using  |
|   | endoscopic per orifice (pull through) approach |
| 1NA87DA | Excision partial, esophagus using apposition technique [e.g. suturing] or no closure require using endoscopic [thoracic] approach |
| 1NA87DB | Excision partial, esophagus using apposition technique [e.g. suturing] or no closure require using endoscopic abdominal approach |
|   | [e.g. open cervical with laparoscopic approach] |
| 1NA87DC | Excision partial, esophagus abdominal [level] anastomosis (esophago-esophagostomy, esophago-gastrostomy) using endoscopic  |
|   | abdominal approach [includes: open cervical with laparoscopic approach] |
| 1NA87DD | Excision partial, esophagus cervical [level] anastomosis (esophago-esophagostomy) using endoscopic abdominal approach |
|   | [includes: open cervical with laparoscopic approach] |
| 1NA87EY | Excision partial, esophagus cervical [level] anastomosis (esophago-esophagostomy) using endoscopic thoracic approach  |
|   | [thoracoscopic, or cervical with thoracoscopic] |
| 1NA87EZ | Excision partial, esophagus thoracic [level] anastomosis (esophago-esophagostomy) using endoscopic thoracic approach  |
|   | [thoracoscopic, or cervical with thoracoscopic] |
| 1NA87FB | Excision partial, esophagus abdominal [level] anastomosis (esophago-esophagostomy, esophago-gastrostomy) using combined  |
|   | endoscopic thoraco-abdominal approach |
| 1NA87FC | Excision partial, esophagus thoracic [level] anastomosis (esophago-esophagostomy) using combined endoscopic thoraco-abdominal  |
|   | approach (may involve mixing both open and endoscopic approaches to thorax and abdomen with or without a cervical incision) |
| 1NA87LD | Excision partial, esophagus abdominal [level] anastomosis (esophago-esophagostomy, esophago-gastrostomy) using open |
|   | abdominal approach [includes cervical with abdominal approach, transhiatal approach] |
| 1NA87LE | Excision partial, esophagus cervical [level] anastomosis (esophago-esophagostomy) using open abdominal approach  |
|   | [includes cervical with abdominal approach, transhiatal approach] |
| 1NA87LP | Excision partial, esophagus using apposition technique [e.g. suturing] or no closure required for tissue regeneration |
|   | [e.g. polyp] using open cervical approach |
| 1NA87LQ | Excision partial, esophagus cervical [level] anastomosis (esophago-esophagostomy) using open cervical approach |
| 1NA87QB | Excision partial, esophagus open thoracic approach using apposition technique [e.g. suturing] or no closure |
| 1NA87QC | Excision partial, esophagus cervical [level] anastomosis (esophago-esophagostomy) using open thoracic approach |
|   |  [includes: open cervicothoracic approach] |
| 1NA87QD | Excision partial, esophagus thoracic [level] anastomosis (esophago-esophagostomy) using open thoracic approach [includes:  |
|   | open cervicothoracic approach] |
| 1NA87QG | Excision partial, esophagus abdominal [level] anastomosis (esophago-esophagostomy, esophago-gastrostomy) using combined  |
|   | open thoraco-abdominal approach [includes: open cervical with thoraco-abdominal approach] |
| 1NA87QH | Excision partial, esophagus thoracic [level] anastomosis (esophago-esophagostomy) using combined open thoraco-abdominal |
|   | approach [includes: open cervical with thoraco-abdominal approach] |
| 1NA88DCXXG | Excision partial with reconstruction, esophagus endoscopic abdominal approach with gastric pull up |
| 1NA88FCXXG | Excision partial with reconstruction, esophagus endoscopic thoracoabdominal approach with gastric pull up |
| 1NA88LBXXF | Excision partial with reconstruction, esophagus open cervical with abdominal approach [includes: transhiatal approach]  |
|   | with interpositional intestinal [free] flap (\*) |
| 1NA88LBXXG | Excision partial with reconstruction, esophagus open cervical with abdominal approach [includes: transhiatal approach] with gastric pull-up |
| 1NA88QFXXF | Excision partial with reconstruction, esophagus open thoraco-abdominal approach [includes: cervical with thoraco-abdominal approach]  |
|   | with interpositional intestinal [free] flap (\*) |
| 1NA88QFXXG | Excision partial with reconstruction, esophagus open thoraco-abdominal approach [includes: cervical with thoraco-abdominal approach]  |
|   | with gastric pull-up |
| 1NA89DB | Excision total, esophagus using endoscopic abdominal approach (with anastomosis) |
| 1NA89FA | Excision total, esophagus using endoscopic thoraco abdominal approach (with anastomosis) |
| 1NA89LB | Excision total, esophagus using open cervical with abdominal approach (with anastomosis) |
| 1NA89QF | Excision total, esophagus using open thoraco abdominal approach (with anastomosis) |
| 1NA90LBXXF | Excision total with reconstruction, esophagus open cervical with abdominal approach [includes: transhiatal approach] with interpositional  |
|   | intestinal [free] flap (\*) |
| 1NA90LBXXG | Excision total with reconstruction, esophagus open cervical with abdominal approach [includes: transhiatal approach] with gastric pull-up |
| 1NA90QFXXF | Excision total with reconstruction, esophagus open thoraco-abdominal approach [includes: cervical with thoraco-abdominal approach] with  |
|   | interpositional intestinal [free] flap (\*) |
| 1NA90QFXXG | Excision total with reconstruction, esophagus open thoraco-abdominal approach [includes: cervical with thoraco-abdominal approach]  |
|   | with gastric pull-up |
| 1NA91DB | Excision radical, esophagus using endoscopic abdominal approach with gastric anastomosis |
| 1NA91FA | Excision radical, esophagus using endoscopic thoraco abdominal approach with gastric anastomosis |
| 1NA91LB | Excision radical, esophagus using open cervical with abdominal approach with gastric anastomosis |
| 1NA91QF | Excision radical, esophagus using open thoraco abdominal approach with gastric anastomosis |
| 1NA92LBXXF | Excision radical with reconstruction, esophagus open cervical with abdominal approach [Includes: transhiatal] with interpositional |
|   | intestinal [free] flap (\*) |
| 1NA92LBXXG | Excision radical with reconstruction, esophagus open cervical with abdominal approach [Includes: transhiatal] with gastric pull-up |
| 1NA92QFXXF | Excision radical with reconstruction, esophagus open thoraco-abdominal approach [Includes: cervical with thoraco-abdominal  |
|   | approach] with interpositional intestinal [free] flap (\*) |
| 1NA92QFXXG | Excision radical with reconstruction, esophagus open thoraco-abdominal approach [Includes: cervical with thoraco-abdominal |
|   | approach] with gastric pull-up |
| Appendix | 1NV52DA | Drainage, appendix using endoscopic [laparoscopic] approach |
| 1NV52LA | Drainage, appendix using open approach and formation of fistula to intestine [for continuous drainage] |
| 1NV89DA | Excision total, appendix using endoscopic [laparoscopic] approach |
| 1NV89LA | Excision total, appendix using open approach |
| Biliary | 1OD52LA | Drainage, gallbladder using open approach |
| 1OD52LATS | Drainage, gallbladder using open approach and leaving tube in situ |
| 1OD57DA | Extraction, gallbladder using endoscopic (laparoscopic) approach |
| 1OD57LA | Extraction, gallbladder using open approach |
| 1OD89DA | Excision total, gallbladder endoscopic [laparoscopic] approach without extraction (of calculi) cholecystectomy alone |
| 1OD89DTAG | Excision total, gallbladder endoscopic [laparoscopic] approach with extraction (of calculi) from bile ducts using laser probe |
| 1OD89DTAM | Excision total, gallbladder endoscopic [laparoscopic] approach with extraction (of calculi) from bile ducts using basket device |
| 1OD89DTAS | Excision total, gallbladder endoscopic [laparoscopic] approach with extraction (of calculi) from bile ducts using electrohydraulic probe |
| 1OD89DTBD | Excision total, gallbladder endoscopic [laparoscopic] approach with extraction (of calculi) from bile ducts using balloon device |
| 1OD89DTGX | Excision total, gallbladder endoscopic [laparoscopic] approach with extraction (of calculi) from bile ducts using device NEC [e.g. |
|   |  forceps, metal probe] |
| 1OD89EC | Excision total, gallbladder endoscopic [laparoscopic] approach cholecystectomy with bile duct exploration and no stones extracted |
| 1OD89LA | Excision total, gallbladder open approach without extraction of calculi cholecystectomy alone |
| 1OD89PN | Excision total, gallbladder robotic assisted telemanipulation of tools [telesurgery] without extraction of calculi cholecystectomy alone |
| 1OD89SMAG | Excision total, gallbladder open approach with extraction (of calculi) from bile ducts using laser probe |
| 1OD89SMAM | Excision total, gallbladder open approach uwith extraction (of calculi) from bile ducts sing basket device |
| 1OD89SMAS | Excision total, gallbladder open approach with extraction (of calculi) from bile ducts using electrohydraulic probe |
| 1OD89SMBD | Excision total, gallbladder open approach with extraction (of calculi) from bile ducts using balloon device |
| 1OD89SMGX | Excision total, gallbladder open approach with extraction (of calculi) from bile ducts using device NEC [e.g. forceps, metal probe] |
| 1OD89TP | Excision total, gallbladder open approach cholecystectomy with bile duct exploration and no stones extracted |
| 1OE76DV | Bypass, bile ducts endoscopic [laparoscopic] approach Choledochoenterostomy |
| 1OE76EE | Bypass, bile ducts endoscopic [laparoscopic] approach Hepaticoenterostomy |
| 1OE76EG | Bypass, bile ducts endoscopic [laparoscopic] approach Pancreaticoenterostomy |
| 1OE76SR | Bypass, bile ducts open approach Choledochoenterostomy |
| 1OE76UF | Bypass, bile ducts open approach Hepaticoenterostomy |
| 1OE76VK | Bypass, bile ducts open approach Pancreaticoenterostomy |
| 1OE80DA | Repair, bile ducts endoscopic [laparoscopic] approach using apposition technique [e.g. suturing] |
| 1OE80DAW3 | Repair, bile ducts endoscopic [laparoscopic] approach using fibrin glue |
| 1OE80DAXXA | Repair, bile ducts endoscopic [laparoscopic] approach using autograft [e.g mucosal graft] |
| 1OE80LA | Repair, bile ducts open approach using apposition technique [e.g. suturing] |
| 1OE80LAW3 | Repair, bile ducts open approach using fibrin glue |
| 1OE80LAXXA | Repair, bile ducts open approach using autograft [e.g mucosal graft] |
| 1OE84LA | Construction or reconstruction, bile ducts using open approach |
| 1OE86MB | Closure of fistula, bile ducts for fistula terminating at skin [or subcutaneous tissue] |
| 1OE86ME | Closure of fistula, bile ducts for fistula terminating in abdominal cavity [e.g. digestive or biliary tract] |
| 1OE86MQ | Closure of fistula, bile ducts for fistula terminating in thoracic cavity [e.g. pleura, pulmonary space] |
| Pancreas | 1OJ76BR | Bypass, pancreas endoscopic [retrograde] per orifice approach using pancreaticoenterostomy diversion |
| 1OJ76BW | Bypass, pancreas endoscopic [retrograde] per orifice approach using pancreaticoenterostomy diversion |
| 1OJ76BX | Bypass, pancreas endoscopic [retrograde] per orifice approach using pancreaticogastrostomy diversion |
| 1OJ76EG | Bypass, pancreas endoscopic [laparoscopic] approach using pancreaticoenterostomy diversion |
| 1OJ76EH | Bypass, pancreas endoscopic [laparoscopic] approach using pancreaticogastrostomy diversion |
| 1OJ76VK | Bypass, pancreas open approach using pancreaticoenterostomy diversion |
| 1OJ76VL | Bypass, pancreas open approach using pancreaticogastrostomy diversion |
| 1OJ87DA | Excision partial, pancreas using endoscopic (laparoscopic) approach |
| 1OJ87LA | Excision partial, pancreas using open approach |
| 1OJ87VC | Excision partial, pancreas using open approach and [insulinoma] enucleation technique |
| 1OJ87VK | Excision partial, pancreas using open approach and pancreatic jejunostomy |
| 1OJ89LA | Excision total, pancreas using open approach |
| 1OJ89VZ | Excision total, pancreas using open approach with pylorus preserving technique |
| 1OK89LA | Excision total, pancreas with duodenum using open approach |
| 1OK91LA | Excision radical, pancreas with duodenum without vagotomy using open approach |
| 1OK91XN | Excision radical, pancreas with duodenum with vagotomy using open approach |