

Appendix 1 (as supplied by the authors): Liver-related diagnosis and procedure codes

International Statistical Classification of Diseases and Related Health Problems, Clinical Modification, 9th Revision (ICD9-CM) Diagnosis Codes (used until March 31, 2002)

CODE	DESCRIPTION
0700	HEPATITIS A WITH COMA
0701	HEPATITIS A W/O COMA
07020	VIR HEPB W HEP COMA W/O HEP DEL
07021	VIR HEPB W HEP COMA W HEP DELTA
07030	VIR HEPB W/O HEP COMA/HEP DELTA
07031	VIR HEPB W/O HEP COMA,W HEP DEL
07041	HEPATITIS C WITH HEPATIC COMA
07042	HEP DEL W/O ACT HEPB W COMA
07043	HEPATITIS E WITH HEPATIC COMA
07049	OTH SPEC VIR HEP WITH HEP COMA
07051	HEP C W/O MENTION HEP COMA
07052	HEP DEL W/O ACT HEPB,W/O COMA
07053	HEP E W/O MENTION HEP COMA
07059	OTH SPEC VIR HEP WITH HEP COMA
0706	VIRAL HEPAT NOS W COMA
0709	VIRAL HEPAT NOS W/O COMA
1550	MAL NEO LIVER, PRIMARY
1551	MAL NEO INTRAHEPAT DUCTS
1552	MALIGNANT NEO LIVER NOS
1980	SECOND MALIG NEO KIDNEY
2115	BEN NEO LIVER/BILE DUCTS
2308	CA IN SITU LIVER/BILIARY
2353	UNC BEHAV NEO LIVER
570	ACUTE NECROSIS OF LIVER
5710	ALCOHOLIC FATTY LIVER
5711	AC ALCOHOLIC HEPATITIS
5712	ALCOHOL CIRRHOSIS LIVER
5713	ALCOHOL LIVER DAMAGE NOS
57140	CHRONIC HEPATITIS NOS
57141	CHR PERSISTENT HEPATITIS
57149	CHRONIC HEPATITIS NEC
5715	CIRRHOSIS OF LIVER NOS
5716	BILIARY CIRRHOSIS
5718	CHRONIC LIVER DIS NEC
5719	CHRONIC LIVER DIS NOS
5720	ABSCCESS OF LIVER
5721	PORTAL PYEMIA
5722	HEPATIC COMA
5723	PORTAL HYPERTENSION
5724	HEPATORENAL SYNDROME
5728	OTH SEQUELA, CHR LIV DIS
5730	CHR PASSIV CONGEST LIVER
5731	HEPATITIS IN VIRAL DIS

5732	HEPATITIS IN OTH INF DIS
5733	HEPATITIS NOS
5734	HEPATIC INFARCTION
5738	LIVER DISORDERS NEC
5739	LIVER DISORDER NOS
7824	JAUNDICE NOS
7891	HEPATOMEGALY
7948	ABN LIVER FUNCTION STUDY
99682	TRANSPLANTED LIVER
V026	VIRAL HEPATITIS CARRIER
V427	LIVER TRANSPLANT STATUS
V1007	HX OF LIVER MALIGNANCY
V113	HX OF ALCOHOLISM

International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Canadian Enhancement (ICD10-CA) Diagnosis Codes (used from April 1, 2002)

CODE	DESCRIPTION
81700	LIVER CELL ADENOMA (D13.4)
81703	HEPATOCELLULAR CARCINOMA NOS (C22.0)
81713	HEPATOCELLULAR CARCINOMA, FIBROLAMELLAR (C22.0)
81803	COMBINED HEPATOCELLULAR CARCINOMA AND CHOLANGIOCARCINOMA (C22.0)
B150	HEPATITIS A WITH HEPATIC COMA
B159	HEPATITIS A WITHOUT HEPATIC COMA
B160	ACUTE HEPATITIS B WITH DELTA-AGENT (COINFECTION) WITH HEPATIC COMA
B161	ACUTE HEPATITIS B WITH DELTA-AGENT (COINFECTION) WITHOUT HEPATIC COMA
B162	ACUTE HEPATITIS B WITHOUT DELTA-AGENT WITH HEPATIC COMA
B169	ACUTE HEPATITIS B WITHOUT DELTA-AGENT AND WITHOUT HEPATIC COMA
B170	ACUTE DELTA-(SUPER)INFECTION OF HEPATITIS B CARRIER
B171	ACUTE HEPATITIS C
B172	ACUTE HEPATITIS E
B178	OTHER SPECIFIED ACUTE VIRAL HEPATITIS
B180	CHRONIC VIRAL HEPATITIS B WITH DELTA-AGENT
B181	CHRONIC VIRAL HEPATITIS B WITHOUT DELTA-AGENT
B182	CHRONIC VIRAL HEPATITIS C
B188	OTHER CHRONIC VIRAL HEPATITIS
B189	CHRONIC VIRAL HEPATITIS, UNSPECIFIED
B190	UNSPECIFIED VIRAL HEPATITIS HEPATIC WITH COMA
B199	UNSPECIFIED VIRAL HEPATITIS WITHOUT HEPATIC COMA
C220	LIVER CELL CARCINOMA
C221	INTRAHEPATIC BILE DUCT CARCINOMA
C222	HEPATOBLASTOMA
C223	ANGIOSARCOMA OF LIVER
C224	OTHER SARCOMAS OF LIVER
C227	OTHER SPECIFIED CARCINOMAS OF LIVER
C229	MALIGNANT NEOPLASM OF LIVER UNSPECIFIED
C787	SECONDARY MALIGNANT NEOPLASM OF LIVER
D015	CARCINOMA IN SITU OF LIVER, GALLBLADDER AND BILE DUCTS
D134	BENIGN NEOPLASM OF LIVER

D376 NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOUR OF LIVER, GALLBLADDER
 AND BILE DUCTS
 K700 ALCOHOLIC FATTY LIVER
 K701 ALCOHOLIC HEPATITIS
 K702 ALCOHOLIC FIBROSIS AND SCLEROSIS OF LIVER
 K703 ALCOHOLIC CIRRHOSIS OF LIVER
 K704 ALCOHOLIC HEPATIC FAILURE
 K709 ALCOHOLIC LIVER DISEASE, UNSPECIFIED
 K710 TOXIC LIVER DISEASE WITH CHOLESTASIS
 K711 TOXIC LIVER DISEASE WITH HEPATIC NECROSIS
 K712 TOXIC LIVER DISEASE WITH ACUTE HEPATITIS
 K713 TOXIC LIVER DISEASE WITH CHRONIC PERSISTENT HEPATITIS
 K714 TOXIC LIVER DISEASE WITH CHRONIC LOBULAR HEPATITIS
 K715 TOXIC LIVER DISEASE WITH CHRONIC ACTIVE HEPATITIS
 K716 TOXIC LIVER DISEASE WITH HEPATITIS, NOT ELSEWHERE CLASSIFIED
 K717 TOXIC LIVER DISEASE WITH FIBROSIS AND CIRRHOSIS OF LIVER
 K718 TOXIC LIVER DISEASE WITH OTHER DISORDERS OF LIVER
 K719 TOXIC LIVER DISEASE, UNSPECIFIED
 K720 ACUTE AND SUBACUTE HEPATIC FAILURE
 K721 CHRONIC HEPATIC FAILURE
 K729 HEPATIC FAILURE, UNSPECIFIED
 K730 CHRONIC PERSISTENT HEPATITIS, NOT ELSEWHERE CLASSIFIED
 K731 CHRONIC LOBULAR HEPATITIS, NOT ELSEWHERE CLASSIFIED
 K732 CHRONIC ACTIVE HEPATITIS, NOT ELSEWHERE CLASSIFIED
 K738 OTHER CHRONIC HEPATITIS, NOT ELSEWHERE CLASSIFIED
 K739 CHRONIC HEPATITIS, UNSPECIFIED
 K740 HEPATIC FIBROSIS
 K741 HEPATIC SCLEROSIS
 K742 HEPATIC FIBROSIS WITH HEPATIC SCLEROSIS
 K743 PRIMARY BILIARY CIRRHOSIS
 K744 SECONDARY BILIARY CIRRHOSIS
 K745 BILIARY CIRRHOSIS, UNSPECIFIED
 K746 OTHER AND UNSPECIFIED CIRRHOSIS OF LIVER
 K750 ABSCESS OF LIVER
 K751 PHLEBITIS OF PORTAL VEIN
 K752 NONSPECIFIC REACTIVE HEPATITIS
 K753 GRANULOMATOUS HEPATITIS, NOT ELSEWHERE CLASSIFIED
 K754 AUTOIMMUNE HEPATITIS
 K758 OTHER SPECIFIED INFLAMMATORY LIVER DISEASES
 K759 INFLAMMATORY LIVER DISEASE, UNSPECIFIED
 K760 FATTY (CHANGE OF) LIVER, NOT ELSEWHERE CLASSIFIED
 K761 CHRONIC PASSIVE CONGESTION OF LIVER
 K762 CENTRAL HAEMORRHAGIC NECROSIS OF LIVER
 K763 INFARCTION OF LIVER
 K764 PELIOSIS HEPATIS
 K765 HEPATIC VENO-OCCLUSIVE DISEASE
 K766 PORTAL HYPERTENSION
 K767 HEPATORENAL SYNDROME
 K768 OTHER SPECIFIED DISEASES OF LIVER

K769	LIVER DISEASE, UNSPECIFIED
	LIVER DISORDERS IN INFECTIOUS AND PARASITIC DISEASES CLASSIFIED
K770	ELSEWHERE
K778	LIVER DISORDERS IN OTHER DISEASES CLASSIFIED ELSEWHERE
R160	HEPATOMEGALY, NOT ELSEWHERE CLASSIFIED
R162	HEPATOMEGALY WITH SPLENOMEGALY, NOT ELSEWHERE CLASSIFIED
R17	UNSPECIFIED JAUNDICE
R932	ABNORMAL FINDINGS ON DIAGNOSTIC IMAGING OF LIVER AND BILIARY TRACT
R945	ABNORMAL RESULTS OF LIVER FUNCTION STUDIES
T86400	LIVER TRANSPLANT REJECTION
T86401	LIVER TRANSPLANT FAILURE
T86402	LIVER TRANSPLANT INFECTION
Z2250	CARRIER OF VIRAL HEPATITIS B
Z2251	CARRIER OF VIRAL HEPATITIS C
Z2258	CARRIER OF OTHER VIRAL HEPATITIS
Z246	NEED FOR IMMUNIZATION AGAINST VIRAL HEPATITIS
Z526	LIVER DONOR
Z944	LIVER TRANSPLANT STATUS

Ontario Health Insurance Plan Physician Service Claim Diagnosis Codes

CODE	DESCRIPTION
155	PRIMARY MALIGNANCY OF LIVER (NOT SECONDARY SPREAD)
571	CIRRHOSIS OF THE LIVER, E.G. ALCOHOLIC CIRRHOSIS
573	OTHER DISEASES OF THE LIVER
964	HEPATITIS B
070	VIRAL HEPATITIS

Canadian Classification of Diagnostic, Therapeutic and Surgical Procedures (CCP) Procedure Codes
(used until March 31, 2002)

CODE	DESCRIPTION
04.9	MICROSCOPIC EXAMINATION OF SPECIMEN FROM LIVER, BILIARY TRACT, AND PANCREAS
04.91	MICROSCOPIC EXAMINATION OF SPECIMEN FROM LIVER, BILIARY TRACT, AND PANCREAS, BACTERIAL SMEAR
04.92	MICROSCOPIC EXAMINATION OF SPECIMEN FROM LIVER, BILIARY TRACT, AND PANCREAS, CULTURE
04.93	MICROSCOPIC EXAMINATION OF SPECIMEN FROM LIVER, BILIARY TRACT, AND PANCREAS, CULTURE AND SENSITIVITY
04.94	MICROSCOPIC EXAMINATION OF SPECIMEN FROM LIVER, BILIARY TRACT, AND PANCREAS, PARASITOLOGY
04.95	MICROSCOPIC EXAMINATION OF SPECIMEN FROM LIVER, BILIARY TRACT, AND PANCREAS, TOXICOLOGY
04.96	MICROSCOPIC EXAMINATION OF SPECIMEN FROM LIVER, BILIARY TRACT, AND PANCREAS, CELL BLOCK AND PAPANICOLAOU SMEAR
04.99	MICROSCOPIC EXAMINATION OF SPECIMEN FROM LIVER, BILIARY TRACT, AND PANCREAS, OTHER MICROSCOPIC EXAMINATION
06.02	LIVER RADIOISOTOPE SCAN AND FUNCTION STUDY

62	OPERATIONS ON LIVER
62.0	HEPATOTOMY
62.1	LOCAL EXCISION OR DESTRUCTION OF LESION OR TISSUE OF LIVER
62.11	MARSUPIALIZATION OF LESION OF LIVER
62.12	PARTIAL HEPATECTOMY
62.19	OTHER DESTRUCTION OF LESION OF LIVER
62.2	LOBECTOMY OF LIVER
62.3	TOTAL HEPATECTOMY
62.4	LIVER TRANSPLANT
62.41	AUXILIARY LIVER TRANSPLANT
62.49	OTHER TRANSPLANT OF LIVER
62.5	REPAIR OF LIVER
62.51	SUTURE OF LIVER
62.52	HEPATOSTOMY
62.59	OTHER REPAIR OF LIVER
62.8	INVASIVE DIAGNOSTIC PROCEDURES ON LIVER
62.81	PERCUTANEOUS BIOPSY OF LIVER
62.82	OTHER BIOPSY OF LIVER
62.89	OTHER INVASIVE DIAGNOSTIC PROCEDURES ON LIVER
62.9	OTHER OPERATIONS ON LIVER
62.91	PERCUTANEOUS ASPIRATION OF LIVER
62.92	EXTRACORPOREAL HEPATIC ASSISTANCE
62.93	LOCALIZED PERFUSION OF LIVER
62.94	OTHER INJECTION OF THERAPEUTIC SUBSTANCE INTO LIVER
62.99	OTHER OPERATIONS ON LIVER NEC

Canadian Classification of Health Interventions (CCI) Procedure Codes (used from April 1, 2002)

CODE	DESCRIPTION
10A13DAAG	CONTROL OF BLEEDING, LIVER ENDOSCOPIC [LAPAROSCOPIC] APPROACH AND LASER COAGULATION
10A13DAW2	CONTROL OF BLEEDING, LIVER ENDOSCOPIC [LAPAROSCOPIC] APPROACH AND COLLAGEN POWDER
10A13DAW3	CONTROL OF BLEEDING, LIVER ENDOSCOPIC [LAPAROSCOPIC] APPROACH AND FIBRIN GLUE
10A13DAX7	CONTROL OF BLEEDING, LIVER ENDOSCOPIC [LAPAROSCOPIC] APPROACH AND CHEMICAL CAUTERY AGENT
10A13DAXXN	CONTROL OF BLEEDING, LIVER ENDOSCOPIC [LAPAROSCOPIC] APPROACH AND SYNTHETIC TISSUE [E.G. MESH, TEFLON FELT]
10A13GQGE	CONTROL OF BLEEDING, LIVER PERCUTANEOUS TRANSLUMINAL APPROACH AND [DETACHABLE]COILS
10A13GQW0	CONTROL OF BLEEDING, LIVER PERCUTANEOUS TRANSLUMINAL APPROACH AND SYNTHETIC AGENT [E.G. POLYVINYL ALCOHOL, MICROSPHERES, SILICONE, GELATIN FOAM, POLYSTYRENE]
10A13LA	CONTROL OF BLEEDING, LIVER USING OPEN APPROACH (WITH MANUAL PRESSURE OR PACKING)
10A13LAAG	CONTROL OF BLEEDING, LIVER USING OPEN APPROACH AND LASER COAGULATION
10A13LAW2	CONTROL OF BLEEDING, LIVER USING OPEN APPROACH AND COLLAGEN POWDER

Appendix to: Paterson JM, Mamdani MM, Manno M, et al. Fluoroquinolone therapy and idiosyncratic acute liver injury: a population-based study. *CMAJ* 2012. DOI:10.1503/cmaj111823.
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10A13LAW3	CONTROL OF BLEEDING, LIVER USING OPEN APPROACH AND FIBRIN GLUE
10A13LAX7	CONTROL OF BLEEDING, LIVER USING OPEN APPROACH AND CHEMICAL CAUTERY AGENT
10A13LAXXE	CONTROL OF BLEEDING, LIVER USING OPEN APPROACH AND LOCAL TRANSPOSITIONAL FLAP [E.G. OMENTAL PATCH]
10A13LAXXN	CONTROL OF BLEEDING, LIVER USING OPEN APPROACH AND SYNTHETIC TISSUE [E.G. MESH, TEFLON FELT]
10A16HAT9	PERFUSION, LIVER USING PERCUTANEOUS (NEEDLE) APPROACH AND PHARMACOLOGICAL AGENT NEC
10A27JA	RADIATION LIVER USING EXTERNAL BEAM
10A35HAA5	PHARMACOTHERAPY (LOCAL), LIVER PERCUTANEOUS (NEEDLE) APPROACH USING BILE AND LIVER THERAPEUTIC AGENT
10A35HAT9	PHARMACOTHERAPY (LOCAL), LIVER PERCUTANEOUS (NEEDLE) APPROACH USING PHARMACOLOGICAL AGENT NEC
10A35HHA5	PHARMACOTHERAPY (LOCAL), LIVER PERCUTANEOUS (TRANSCATHETER) APPROACH USING BILE AND LIVER THERAPY AGENT
10A35HHT9	PHARMACOTHERAPY (LOCAL), LIVER PERCUTANEOUS (TRANSCATHETER) APPROACH USING PHARMACOLOGICAL AGENT NEC
10A35LAM1	PHARMACOTHERAPY (LOCAL), LIVER OPEN APPROACH USING ALKYLATING AGENT
10A52DA	DRAINAGE, LIVER USING ENDOSCOPIC [LAPAROSCOPIC] APPROACH
10A52HA	DRAINAGE, LIVER USING PERCUTANEOUS (NEEDLE) APPROACH
10A52HATS	DRAINAGE, LIVER USING PERCUTANEOUS [TRANS-ABDOMINAL] APPROACH LEAVING DRAINAGE TUBE IN SITU
10A52LA	DRAINAGE, LIVER USING OPEN [ABDOMINAL] APPROACH
10A52QV	DRAINAGE, LIVER USING OPEN TRANSPLEURAL APPROACH
10A53LAQK	IMPLANTATION OF INTERNAL DEVICE, LIVER OF INFUSION PUMP USING OPEN APPROACH
10A54JAQK	MANAGEMENT OF INTERNAL DEVICE, LIVER OF INFUSION PUMP
10A54JATS	MANAGEMENT OF INTERNAL DEVICE, LIVER OF DRAINAGE TUBE
10A55HATS	REMOVAL OF DEVICE, LIVER OF DRAINAGE TUBE [CATHETER] INSERTED PERCUTANEOUSLY
10A55LAQK	REMOVAL OF DEVICE, LIVER OF INFUSION PUMP USING OPEN APPROACH
10A56LA	REMOVAL OF FOREIGN BODY, LIVER USING OPEN APPROACH
10A58LAXXK	PROCUREMENT, LIVER OF ENTIRE CADAVER DONOR LIVER
10A58WLXXJ	PROCUREMENT, LIVER OF SPLIT LIVING DONOR LIVER
10A58WLXXK	PROCUREMENT, LIVER OF SPLIT CADAVER DONOR LIVER
10A59DAAD	DESTRUCTION, LIVER ENDOSCOPIC [ABDOMINAL] APPROACH USING CRYOPROBE
10A59DAAG	DESTRUCTION, LIVER ENDOSCOPIC [ABDOMINAL] APPROACH USING LASER
10A59DAAW	DESTRUCTION, LIVER ENDOSCOPIC [LAPAROSCOPIC] APPROACH USING RADIOFREQUENCY
10A59DAGX	DESTRUCTION, LIVER ENDOSCOPIC [ABDOMINAL] APPROACH USING DEVICE NEC
10A59DAX7	DESTRUCTION, LIVER ENDOSCOPIC [ABDOMINAL] APPROACH USING CHEMICAL CAUTERY AGENT [E.G. ETHANOL]
10A59HAAW	DESTRUCTION, LIVER PERCUTANEOUS APPROACH USING RADIOFREQUENCY
10A59HAX7	DESTRUCTION, LIVER PERCUTANEOUS APPROACH USING CHEMICAL CAUTERY AGENT [E.G. ETHANOL]
10A59LAAD	DESTRUCTION, LIVER OPEN APPROACH USING CRYOPROBE
10A59LAAG	DESTRUCTION, LIVER OPEN APPROACH USING LASER

10A59LAAW	DESTRUCTION, LIVER OPEN APPROACH USING RADIOFREQUENCY
10A59LAGX	DESTRUCTION, LIVER OPEN APPROACH USING DEVICE NEC
10A59LAX7	DESTRUCTION, LIVER OPEN APPROACH USING CHEMICAL CAUTERY AGENT [E.G. ETHANOL]
10A74LA	FIXATION, LIVER USING OPEN APPROACH
10A85LAXXK	TRANSPLANT, LIVER OF A CADAVER-DONOR FULL SIZE LIVER
10A85VCXXK	TRANSPLANT, LIVER OF A CADAVER- DONOR MULTI-ORGAN LIVER WITH
10A85WLXXJ	INTESTINE/ PANCREAS/SPLEEN/STOMACH [OR ANY COMBINATION OF]
10A85WLXXK	TRANSPLANT, LIVER OF A LIVING-DONOR SPLIT LIVER
10A87DA	TRANSPLANT, LIVER OF A CADAVER-DONOR SPLIT LIVER (OR REDUCED
10A87LA	ÓPAEDIATRICÖ SIZE LIVER)
10A87LAAZ	EXCISION PARTIAL, LIVER USING ENDOSCOPIC (LAPAROSCOPIC)APPROACH
20A71DA	EXCISION PARTIAL, LIVER USING OPEN APPROACH
20A71GR	EXCISION PARTIAL, LIVER USING ULTRASONIC ASPIRATOR DEVICE (FOR
20A71HA	DISSECTION) AND OPEN APPROACH
20A71LA	BIOPSY, LIVER USING ENDOSCOPIC [LAPAROSCOPIC] APPROACH
30A10WX	BIOPSY, LIVER USING PERCUTANEOUS TRANSLUMINAL VENOUS APPROACH
30A30DA	BIOPSY, LIVER USING PERCUTANEOUS (NEEDLE) APPROACH
30A30DB	BIOPSY, LIVER USING OPEN APPROACH
30A30DC	XRAY, LIVER FOLLOWING CATHETER (INFUSION PUMP) INJECTION OF
30A30DD	CONTRAST
30A30HA	ULTRASOUND, LIVER WITH ULTRASOUND ALONE
30A70CA	ULTRASOUND, LIVER WITH ULTRASOUND AND COLOR FLOW
30A70CC	ULTRASOUND, LIVER WITH ULTRASOUND AND DOPPLER
30A70CE	ULTRASOUND, LIVER WITH ULTRASOUND, COLOR FLOW AND DOPPLER
30C30DA	ULTRASOUND, LIVER ENDOSCOPIC [EUS]
30C30DB	DIAGNOSTIC NUCLEAR (IMAGING) STUDY, LIVER USING SCINTIGRAPHY
30C30DC	DIAGNOSTIC NUCLEAR (IMAGING) STUDY, LIVER USING SPECT
30C30DD	TOMOGRAPHY
30C70CA	DIAGNOSTIC NUCLEAR (IMAGING) STUDY, LIVER USING PET TOMOGRAPHY
30C70CB	ULTRASOUND, LIVER WITH SPLEEN WITH ULTRASOUND ALONE
30C70CC	ULTRASOUND, LIVER WITH SPLEEN WITH ULTRASOUND AND COLOR FLOW
30C70CD	ULTRASOUND, LIVER WITH SPLEEN WITH ULTRASOUND AND DOPPLER
30C70CE	ULTRASOUND, LIVER WITH SPLEEN WITH ULTRASOUND, COLOR FLOW AND
30C70KR	DOPPLER
30C70KS	DIAGNOSTIC NUCLEAR (IMAGING) STUDY, LIVER WITH SPLEEN USING
	SCINTIGRAPHY
	DIAGNOSTIC NUCLEAR (IMAGING) STUDY, LIVER WITH SPLEEN USING
	SCINTIGRAPHY WITH VASCULAR FLOW
	DIAGNOSTIC NUCLEAR (IMAGING) STUDY, LIVER WITH SPLEEN USING
	SPECT TOMOGRAPHY
	DIAGNOSTIC NUCLEAR (IMAGING) STUDY, LIVER WITH SPLEEN USING SPEC
	TOMOGRAPHY (SPECT) WITH VASCULAR FLOW
	DIAGNOSTIC NUCLEAR (IMAGING) STUDY, LIVER WITH SPLEEN USING PET
	TOMOGRAPHY
	DIAGNOSTIC NUCLEAR (IMAGING) STUDY, LIVER WITH SPLEEN WITH BLOOD
	POOL IMAGING AND VASCULAR FLOW
	DIAGNOSTIC NUCLEAR (IMAGING) STUDY, LIVER WITH SPLEEN WITH BLOOD
	POOL IMAGING AND SPEC TOMOGRAPHY (SPECT)