

Key Words

A	B	C	D	E	F	G	H	I	K	L	
acalculous cholecystitis	701	cholelithiasis	178	fluorescence cholangiography	178						
accessory hepatic duct	178	cholescintigraphy	641	follicular lymphoma	735						
acute cholangitis	183, 218, 718	clinical epidemiology	718								
acute cholecystitis	616, 692	clinical practice guidelines for acute									
adjuvant chemotherapy	152	cholangitis and cholecystitis	183	G							
ampullary cancer	189	coil embolization	742	gallbladder	735						
anastomosis	674	common bile duct stone	141, 183	gallbladder adenocarcinoma	170						
anastomotic stricture	57	common bile duct stones	749	gallbladder adenoma	774						
atezolizumab	218	community medicine	701	gallbladder cancer	130, 647						
		complete response	647	gallbladder carcinoma	655						
		complications	214	gallbladder dyskinesia	641						
		contrast assisted cannulation	204	gut liver axis	84						
bile duct blood flow	762	conversion surgery	152	gut microbiota	84						
bile duct injury	762	cystic duct	69								
bile duct intramural cyst	117			H							
bile duct perforation	749			heavy particle therapy	32						
bile duct stones	57	D		hemobilia	634						
bile leakage	90	data science	718	hepatic venous fistula	742						
biliary cancer	162	difficult biliary cannulation	204	<i>HER2</i> gene alteration	75						
biliary diseases	718	duodenal papillary perforation	658	high confluence of pancreaticobiliary							
biliary drainage	183			ducts	97						
biliary duct-to-duct		E									
reconstruction	57	EBD	214	I							
biliary peritonitis	124	elderly patients	141	ICI related cholangitis	218						
biliary stenosis	768	electrohydraulic shock wave		IDUS	24						
biliary stent	141	lithotripsy	749	IgG4	726						
biliary stricture	710	endoscopic gallbladder drainage	616	incidental gallbladder carcinoma	114						
biliary tract cancer	18, 75, 189, 718	endoscopic papillary		inside stent	634						
		sphincterotomy	658	intracholecytic papillary neoplasm							
		endoscopic retrograde cholangiopan-		(ICPN)	130						
		creatography ERCP	204	intrahepatic							
cancer genomes	75	endoscopic ultrasonography	214	cholangiocarcinoma							
cancer genomic profiling tests	607	ERC (Endoscopic retrograde		32, 607							
carcinoma in adenoma	774	cholangiography)	57	intraoperative biliary endoscopy	658						
carcinoma in situ	681	ERCP	24, 107, 214, 625, 710	IPNB	97						
carcinoma of the ampulla of Vater		ETGBD	616	isolated	726						
	198	EUS	218, 710	K							
catheter dislocation	124	EUS-BD	214, 625	Kuji's type V	178						
chemotherapy	189, 647	EUS-GBD	616, 752	L							
cholangiocarcinoma	681	EUS-rendezvous (EUS-RV)	661	laparoscopic cholecystectomy	692						
cholangioscopy	117, 710	extensive intraepithelial spread	681	large cell neuroendocrine							
cholangitis	107, 674			carcinoma	198						
cholecystectomy	178	F		large duct carcinoma	607						
cholecystitis	69, 726	FGFR2 fusion gene	75	leaky gut	84						

lithiasis	674	percutaneous transhepatic biliary drainage	124	resection margin	681
liver transplantation	57	percutaneous transhepatic gallbladder drainage (PTGBD)	692	rotatable sphincterotome	201
local injection	90	periampullary diverticula	201	roux-en-Y	674
lymph node metastasis	18	perihilar cholangiocarcinoma		Roux-en-Y reconstruction	201
M					
malignant biliary strictures	634	24, 32, 742, 768		sclerosing cholangitis	218
malignant distal biliary obstruction	625	peritoneal seeding	768	selective bile duct cannulation	201
malignant lymphoma	735	peroral cholangioscopy	749	SEMS	625
mapping biopsy	24	peroral cholangioscopy (POCS)	681	signet ring cell carcinoma	655
minocycline	90	PET	768	signet-ring cell carcinoma	170
monozygotic twins	102	PGA	774	skeletal muscle metastasis	170
mucinous carcinoma	114	photodynamic therapy	162	small duct carcinoma	607
multidisciplinary treatment	18	photosensitivity	162	sphincter of Oddi dysfunction	641
N					
NEC	198	photosensitizer	162	Spiegel lobe	90
neoadjuvant chemotherapy	152	plastic stent	634	stent graft	742
neuroendocrine carcinoma	647	poorly-differentiated carcinoma	768	stent-stone complex (SSC)	141
neuroendocrine tumor	647	postoperative complications	674	strasberg classification	762
non-operative treatment	701	postoperative recurrence	189	T	
O					
obstructive jaundice	124	precision medicine	75	T2 gallbladder cancer	114
operative difficulty	692	pregnancy	107	TAE	752
P					
pancreatic stone formed around suture material	754	preoperative biliary drainage	625	therapeutic course	701
pancreaticobiliary maljunction	102, 754	primary biliary cholangitis	84	timing of the surgery	692
pancreaticoduodenectomy	90	primary sclerosing cholangitis	84	Tokyo Guidelines	183
para-aortic lymph node metastasis	655	proton therapy	32	transpapillary biopsy	24
pCLE	710	pseudoaneurysm	634, 752	transpapillary cyst fenestration	117
R					
pancreatic resection	18	uneven double lumen cannula (UDLC)		U	
radiotherapy	32, 189			vascular injury	124
recurrence	69			V	
remnant intrapancreatic chledochal cysts	754				
resectability criteria for bile duct cancers	152				