

## Key Words

<b>3</b>		cholecystitis	562	<b>F</b>	
		cholecystogastric fistula	530		fibromuscular layer
3D simulation	668	choledocholithiasis	587		fundus first technique
<b>A</b>		cholestasis	129	<b>G</b>	
acute cholecystitis	112, 645	combined vascular resection	76		gallbladder
acute choleystitis	648	complete response	59		gallbladder cancer
additional bile duct resection	157	complication	587		gallbladder drainage
additional resection	135	congenital biliary dilatation	609		gallbladder metastasis
adenocarcinoma	664	conversion surgery	59, 552		gallbladder stone
adenosquamous carcinoma	165	conversion therapy	76		gallbladder tumor
adjuvant chemotherapy	184	critical view of safety	46		gangliocytic paraganglioma
adjuvant therapy	76	curative resection	9		gene
antegrade treatment	508	<b>D</b>			genetic alterations
antimicrobial therapy	112	diagnosis of invasion depth	581		giant hiatal hernia
APOBEC	150	difficult bile duct stones	36	<b>H</b>	
area of low absorption in the gallbladder wall	144	diffuse large B-cell lymphoma	90		hemobilia
<b>B</b>		doubling time	165		hepatolithiasis
B-lymphoblastic leukemia	54	<b>E</b>			
bailout procedure	46	early gallbladder cancer	581	<b>I</b>	
balloon endoscopy	508	EGBS	648		IgG4-related sclerosing cholangitis
benign biliary stricture	508	electronic hydraulic lithotripsy:			
bile acid	129	EHL	36		immune checkpoint inhibitor
bile cytology	536	endoscopic biliary drainage	598		immune-related adverse event
bile duct cancer	59, 609	endoscopic papillectomy	617		immunecheckpoint inhibitor
bile duct injury	105	endoscopic surgery	76		immunotherapy
bile duct stricture	560	endoscopic transpapillary gallbladder drainage	645		incidental gallbladder cancer
biliary intraepithelial neoplasia	150	endoscopic transpapillary gallbladder stenting (ETGBS)	648		incomplete gallbladder volvulus
biliary intraepithelial neoplasm	639	endoscopic ultrasonography	581		intensity-modulated radiotherapy
biliary stent	564	endoscopic ultrasound	173		
biliary tract cancer	9, 76, 184, 576, 657	enterohepatic circulation	129		intracholecystic papillary neoplasm
		eosinophilic cholangitis	632		
biloma	557	ERCPC	508, 587, 625, 645		intraductal papillary neoplasm
Bismuth classification	157	EUS	514		
<b>C</b>		EUS-BD	508		intraductal papillary neoplasm of bile duct
cancer genomic profiling	184	EUS-guided hepaticogastrostomy	175		intramural extension
carcinoma in situ	188	extended resection	157		inverse-alpha-loop technique
cascade stomach	175	extensive intraepithelial spread	120		IPNB
chemotherapy	59, 157				IPNB with associated invasive carcinoma
cholangiocarcinoma	157				
cholecystectomy	188				irAE

isolated artery of liver	557	pancreatic ductal carcinoma	632	round ligament	65
<b>L</b>		pancreaticobiliary maljunction	609	Rouvière sulcus	105
laparoscopic cholecystectomy		pancreaticoduodenectomy	668	<b>S</b>	
	46, 65, 105, 112	pancreatitis	587	safe steps	46
liver subcapsular hematoma	557	pancreatoduodenectomy	171	sclerosing cholangitis	81
locally advanced unresectable		papillary cholangiocarcinoma	97, 523	self-expandable metallic stent	598
gallbladder cancer	552	papillary folds	514	SEMS	625
longitudinal extent	120	particle therapy	576	single incision laparoscopic surgery	
lung metastasis	552	percutaneous-endoscopic rendezvous			642
lymphoma	54	technique	562	sinus inversus	65
<b>M</b>		peribiliary gland	150	Spy-Glass™ DS	36
magnetic compression anastomosis		peroral cholangioscopy	120, 564	squamous cell carcinoma	165
	560	Peroral cholangioscopy	192	SS-inner	105
malignant lymphoma	90	precision medicine	657	stent dysfunction	598
microbiome	129	preduodenal portal vein	668	stereotactic irradiation	576
molecular-targeted agents	657	pulmonary resection	552	stone retrieval balloon	625
mucosal extension	120	pyloric gland adenoma	188	subtotal cholecystectomy	46
mutation signature	150	<b>Q</b>		subtype	97
mycophenolate mofetil	81	quality of life	9	systemic chemotherapy	184
<b>N</b>		<b>R</b>		<b>T</b>	
nab-paclitaxel	632	R0 resection	9	transporter	129
NEC	536	radiation therapy	576	troubleshooting	173
needle-shaped	171	rate of tumor growth	165	<b>X</b>	
neuroendocrine carcinoma	664	re-intervention	598	Xanthogranulomatous cholecystitis	
<b>P</b>		recurrent biliary obstruction	598		144
pancreatic cancer	564	remnant cystic duct	639	xanthogranulomatous cholecystitis	
		renal cell carcinoma	543		530
		Rokitansky-Aschoff sinus	144		