

Table 1 Details of each contrast medium

	meglumine amidotrizoate	iodaxanol
generation	second	third
ionizable • nonionic	ionizable	nonionic
structure	monomer	dimer
osmotic pressure (plasma to plasma ratio)	5~7	1
drug price (20ml 1A)	approximately 5 US\$	approximately 20 US\$

Table 2 Baseline characteristics

	total (n=291)	group A (n=155)	group I (n=136)	<i>P</i> value
median age (range)	77 (28-95)	75 (40-95)	77 (28-95)	0.35
sex(% men)	144 (49%)	81 (52%)	63 (46%)	0.31
BMI (kg/m <sup>2</sup> ) (mean ± SD)	22.4(±4.3)	22.5(±4.6)	22.3(±4.2)	0.89
bilirubin (mg/dl) (mean ± SD)	1.73(±2.4)	1.74(±2.3)	1.72(±2.5)	0.37
bile duct stone	239 (74.7%)	131 (84.5%)	108 (79.4%)	0.26
cholecystitis, gallbladder stone	15 (5.2%)	6 (3.9%)	9 (6.6%)	0.29
benign biliary stricture	12 (4.1%)	7 (4.5%)	5 (3.7%)	0.72
pancreatic stone	16 (5.5%)	1 (0.6%)	1 (0.7%)	0.93
autoimmune pancreatitis	4 (1.4%)	1 (0.6%)	3 (2.2%)	0.25
bile or pancreatic leak	3 (1.0%)	1 (0.6%)	2 (1.5%)	0.49
no lesion	7 (2.4%)	3 (1.9%)	4 (2.9%)	0.58
others	9 (3.1%)	5 (3.2%)	4 (2.9%)	0.89
biliary disease	276 (94.8%)	149 (96.1%)	127 (93.4%)	0.29
pancreatic disease	8 (2.7%)	3 (1.9%)	5 (3.7%)	0.37

Table 3 Procedure detail

	total (n=291)	group A (n=155)	group I (n=136)	<i>P</i> value
pancreatography	103 (35.4%)	49 (31.6%)	54 (39.7%)	0.15
pancreatic duct guide wire method	18 (6.2%)	10 (6.5%)	8 (5.9%)	0.52
IDUS	47 (16.2%)	29 (18.7%)	18 (13.2)	0.21
EST	183 (62.9%)	105 (67.7%)	78 (57.4%)	0.067
mechanical lithotripsy	13 (4.5%)	6 (3.9%)	7 (5.1%)	0.59
basket or balloon catheter	96 (33.0%)	49 (31.6%)	47 (34.6%)	0.59
EBS	171 (58.8%)	68 (43.9%)	87 (64.0%)	0.50
procedure time(minutes) (mean± SD)	22.6(±17.0)	20.4(±16.0)	24.8(±17.8)	0.019

IDUS: intraductal ultrasound, EST: endoscopic sphincterotomy, EBS: endoscopic biliary stenting

Table 4 PEP incidence and pancreatic enzyme levels in the blood

	total (n=291)	group A (n=155)	group I (n=136)	<i>P</i> value
PEP	13 (4.5%)	6 (3.9%)	7 (5.1%)	0.59
pancreatic amylase before treatment (U/l) (mean $\pm$ SD)	46.2 ( $\pm$ 129)	51.1 ( $\pm$ 172)	42.7 ( $\pm$ 41)	0.73
2 hr post-ERCP hyperamylasemia	19 (6.5%)	5 (3.2%)	14 (10.3%)	0.015
24 hr post-ERCP hyperamylasemia	42 (14.4%)	12 (7.7%)	21 (15.4%)	0.039

PEP: post-endoscopic retrograde cholangiopancreatography pancreatitis

Table 5 PEP severity

severity	total(n=13)	group A (n=6)	group I (n=7)	<i>P</i> value
mild disease	12 (92.3%)	6 (100%)	6 (85.7%)	NS
moderate disease	1(7.7%)	0 (0%)	1 (14.3%)	NS
severe	0 (0%)	0 (0%)	0 (0%)	NS