

Case 2

Case 2

- 74 year old Chinese woman presented with fever and vomiting
- Background of previous gallstones, pancreatitis and cholecystectomy; diabetes on insulin

Sodium	141	mmol/L	135-145
Potassium	3.7	mmol/L	3.5-5.2
Glucose	9.4	mmol/L	3.0-11.0
Creatinine	111	umol/L	H 45-90
Albumin	35	g/L	32-48
Protein	71	g/L	66-84
Globulin plasma	36	g/L	25-41
Bilirubin	25	umol/L	<25
GGT	185	U/L	H 0-50
Alkaline Phosphatase	204	U/L	H 40-130
CRP	3	mg/L	0-5
AST	2223	U/L	H <45
ALT	1333	U/L	H <45
Glucose Comment			
Lipase	85	U/L	H 8-78

Hepatitis screen negative

Case 2

- Blood cultures grew E. coli
- USS - diffusely hypoechoic liver without focal abnormality, no biliary dilatation ?hepatitis
- Treated as hepatitis with supportive management

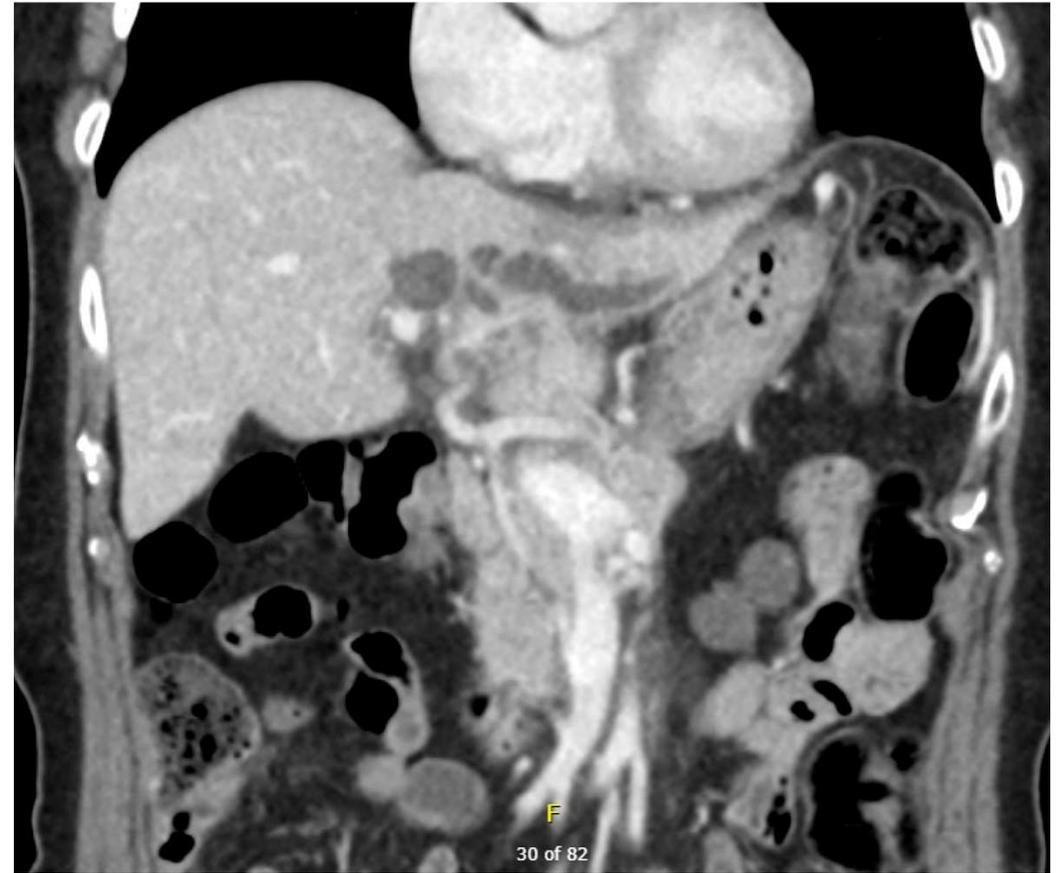


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Bilirubin	8	25	49	17	11	9	8	8	6	6
Alkaline phosphatase	86	204	171	216	283	255	135	135	127	130
GGT	31	*185	*160	*161	*162	*143	74	74	52	54
ALT	46	1333	813	547	357	157	65	65	89	92
Protein	77	71	64	70	65	76	66	66	68	69
Albumin	38	35	29	30	28	35	38	38	37	39
Globulin	39	36	35	40	37	41	28	28	31	30
Comment										
Comment										
Sodium		141	142	144	136	141				
Potassium		3.7	3.6	3.8	3.8	4.4				
Creatinine		111	83	76	86	81				
CRP		3	74	55	27	<3				

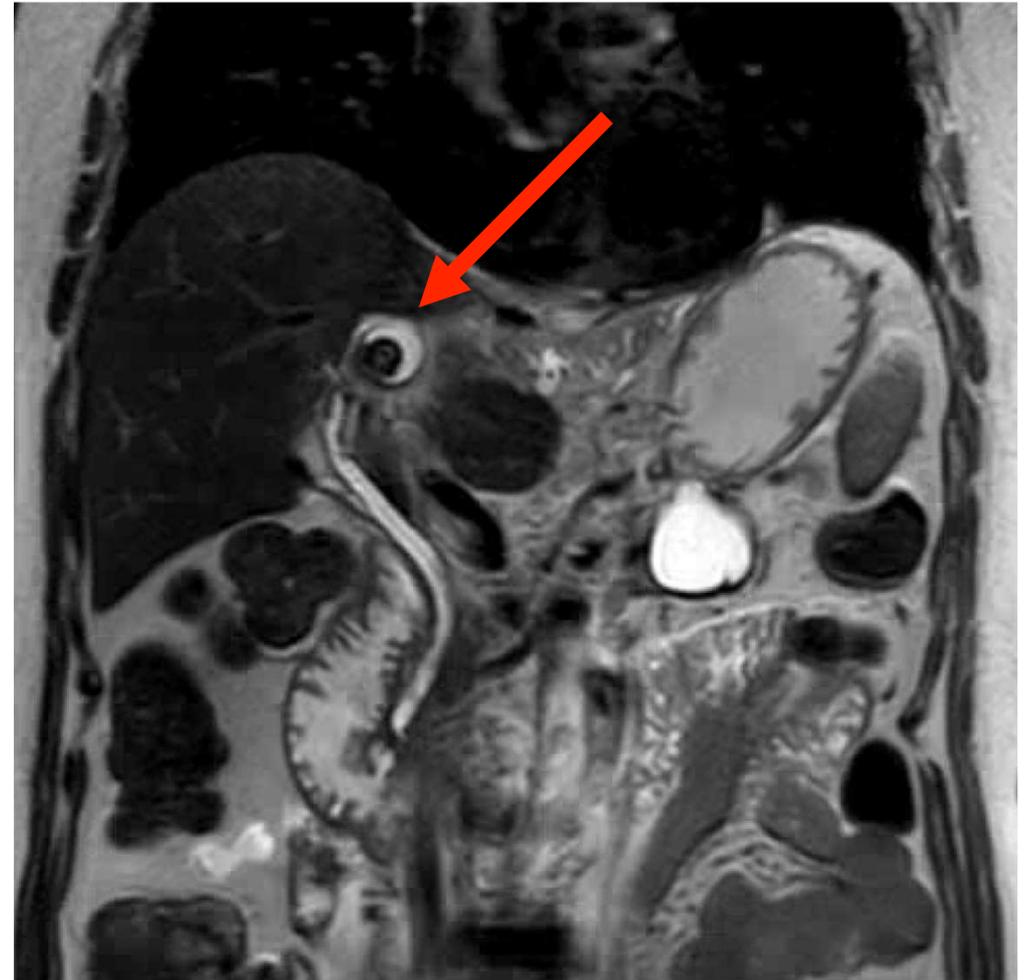
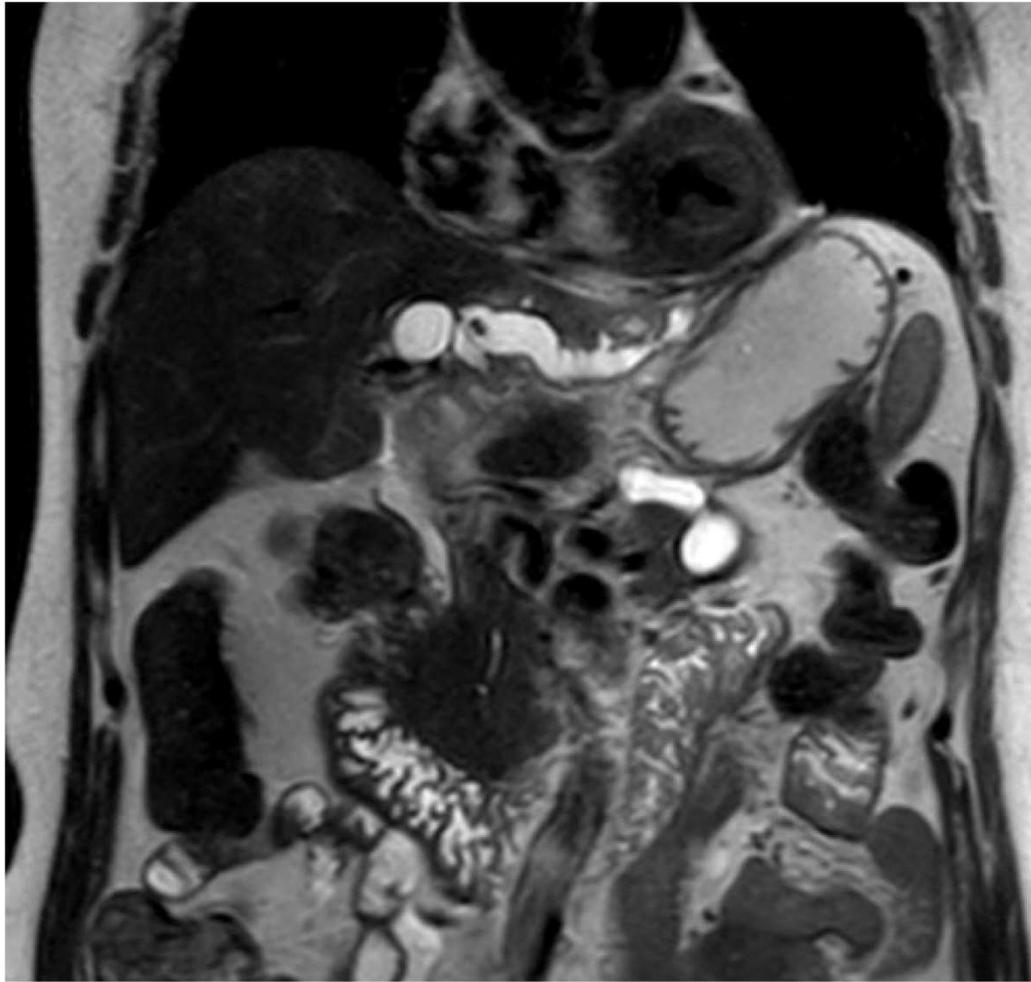
LFTs settled over next 6 weeks

Case 2

- Re-presented 3 months later with RUQ pain, fever, deranged LFTs again



CT showed dilated intrahepatic ducts in L lobe



MRI showed intrahepatic duct stricture and stones

Case 2

- Diagnosis: recurrent pyogenic cholangitis (“oriental cholangiohepatitis”)
- Bacterial infection of intrahepatic bile ducts leading to stricturing and stones, recurrent infection, and atrophy of liver (usually L lobe)
- Previously believed to be due to primary biliary parasites eg. Clonorchis or Ascaris
- Risk of cholangiocarcinoma (?up to 10%)

Case 2

- Infection treated with antibiotics
- 1 month later underwent a laparoscopic left hepatectomy, resecting the obstructed ducts, stricture, and stones
- Histology confirmed chronic inflammation and intrahepatic stones
- Now 6 years symptom-free