Supplemental Table 1

Set	Case	Clinical Details	Number of slides	Immunohistochemical stains	Diagnosis
A	1	47-year-old female. Lung hilar mass. Multiple liver metastasis.	8	H&E, CD45, CD56, CHROMO, CK7, CK20, synaptophysin, TTF1	Small cell carcinoma
	2	68-year-old female. ?Gallbladder mass invading liver.	6	H&E, CK7, CK19, CK20, P63, TTF-1	Carcinoma with squamous features
	3	41-year-old male. Pancreatic mass. Multiple liver metastases.	7	H&E, CDX-2, CK7, CK20, ER, PR, TTF-1	Adenocarcinoma
В	1	58-year-old female. Liver metastases seen on CT. Previous breast carcinoma.	6	H&E, GCDFP-15, ER, PR, HER-2, HER-2	Carcinoma
	2	75-year-old male. ?Metastatic lung cancer	8	H&E, CAM 5.2, CD56, CK5, CK14, MNF, P63, TTF-1	Squamous cell carcinoma

3	76-year-old female. Admission with pain, 3 hepatomegaly 7 and weight loss.	7	H&E, CDX-2, CK7, CK20, ER, PR, TTF-1	Adenocarcinoma
	?Metastatic or primary liver malignancy.			

Supplemental Table 1 – Case details provided to the participants. Cases were chosen to include equal numbers of slides in each set. Please note the clinical details are fictitious in the interests of confidentiality.