

Sample Number	Flow	Biopsy used for	Gender	Age	Weight	Height	Reason for hospitalization	Procedure	Concomitant medication	Concomitant disorders/operations	Alcohol intake	Steatosis	Fibrosis
H01		Flow Cytometry	male	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown
H02		CITE-Seq Flow Cytometry	male	unknown	unknown	unknown	Colorectal cancer with liver metastases	Liver resection	unknown	unknown	unknown	unknown	unknown
H03		Flow Cytometry	male	unknown	unknown	unknown	Liver resection	Liver resection	unknown	unknown	unknown	unknown	unknown
H04		scRNA-seq Flow Cytometry	female	53y	73kg	161cm	Symptomatic cholecystolithiasis	Laparoscopic cholecystectomy	Zestril (Lisinopril) 10 mg daily Omeprazol 20 mg daily Luteryl (Nomesgestrol) 5 mg daily Simvastatine 20 mg daily Somatuline (Lanreotide) 90 mg once every 4 weeks D-Cure (Colecalciferol) once every 4 weeks	Pituitary macroadenoma -> acromegaly -> endoscopic hypophysectomy Oophorectomy due to cyst Light form of obstructive sleep apnea Hemorrhoids -> rubber band ligation Diabetes mellitus type 2 -> metformine (not in medication overview.) Pulmonary arterial hypertension Diaphragmatic hernia Stage 2 chronic kidney disease Idiopathic polyneuropathy Cystic hygroma -> surgical removal	1-2 standard units daily	Mild (10-15%); centrilobular; macrosteatosis	No
H05		Flow Cytometry	male	56y	79kg	176cm	Colorectal cancer with synchronous multiple liver metastases	Parenchyma-sparing open liver resection	In advance: 4 cycles of FOLFOX (Leucovorin/Fluorouracil/Oxaliplatin) + panitumumab Cortisone ointment due to chemotherapy-induced rash	Low back pain Cervical spondylosis	Unknown	Mild (10-15%)	No
H06		CITE-seq Flow Cytometry	male	72y	87kg	174cm	Relapse of colorectal liver metastases (segment VI/VI)	Open liver resection	In advance: 8 cycles of CAPOX (Capecitabine/Oxaliplatin)	Colorectal cancer with liver metastases -> laparoscopic sigmoid colectomy + microwave ablation of liver lesions Squamous cell carcinoma -> chemoradiotherapy with Cisplatin/Etoposide	Unknown	No	No
H07		scRNA-Seq Flow Cytometry	female	46y	69kg	160cm	Hepatocellular adenoma (segment III)	Liver resection with adhesiolysis	Zaldiar (Tramadol/Paracetamol) 37.5/325 mg daily Livial (Tibolon) 2.5 mg daily Citalopram 20 mg daily Nortrielen (Nortriptyline) 25 mg daily	Endometriosis -> hysterectomy Oophorectomy of both ovaries Appendectomy Bilateral hydrosalpinx -> salpingectomy Laparoscopic caecectomy Colpopromontoriopexy Total colectomy with ileorectal anastomosis Hypovitaminosis D -> startup of supplements (not in medication overview.)	Unknown	No	No
H08		Flow Cytometry	male	73y	80kg	180cm	Symptomatic cholelithiasis	Laparoscopic cholecystectomy	Loortan (Losartan) 50 mg daily Relvar (Fluticason/Vilanterol) 92/22 µg daily	Asthma Pulmonary arterial hypertension Granulomatous rosacea	Social drinker	No	No
H09		Flow Cytometry	male	37y	90kg	188cm	Colorectal cancer with solitary liver metastasis (segment V)	Laparoscopic resection of	4 cycles of FOLFIRINOX (Leucovorin/ Fluorouracil/Irinotecan/Oxaliplatin) bevacizumab	Surgical removal of 6 tubular adenomas with low-grade dysplasia	Unknown	No	No
H10		scRNA-seq Flow Cytometry Confocal Microscopy	male	55y	116kg	173cm	Morbid obesity	Laparoscopic gastric bypass	Selozok (Metoprolol) 100 mg daily Zestril (Lisinopril) 20 mg daily Asaflo (Acetylsalicylic acid) 80 mg daily Zocor (Simvastatine) 40 mg daily CetiSandoz (Cetirizine) 10 mg daily	Acute myocardial infarction complicated by major arrhythmias -> percutaneous coronary intervention Pulmonary arterial hypertension Hyperlipidemia Intersphincteric abscess	4 standard units daily	No	No
H11		CITE-Seq Flow Cytometry	female	53y	114kg	167cm	Morbid obesity	Laparoscopic gastric bypass	L-Thyroxine 175 µg on odd days L-Thyroxine 150 µg on even days Omeprazol 40 mg twice daily Simvastatine 20 mg daily Rivotril (Clonazepam) 2 mg if necessary Mirtazipine 15 mg daily Tramium (Tramadol) 100 mg daily Temesta (Lorazepam) 2.5 mg if necessary Dafilon (Diosmine/Flavonoids) 450/50 mg if necessary	Laparoscopic sacropeky Hashimoto's thyroiditis Spinal stenosis -> laminectomy Carpal tunnel release Hepatic steatosis Insomnia Reflux Tremor	1 standard unit monthly	Mild (20%)	Clear pericellular fibrosis
H12		Flow Cytometry	male	48y	110kg	181cm	Symptomatic cholecystolithiasis	Laparoscopic cholecystectomy	Paracetamol 20 mg daily Pantomed (Pantoprazol) 40 mg twice daily Spasmonem (Otilonium bromide) 40 mg three times a day	Renal colic Gastro-esophageal reflux disease (Grade A) Several abdominal and dorsal lipomas -> resection Laparoscopic appendectomy with peritonitis	3 standard units weekly	5% steatosis	Mild pericellular fibrosis
H13		CITE-seq Flow Cytometry	male	73y	107kg	172cm	Symptomatic cholecystolithiasis	Laparoscopic cholecystectomy	Asaflo (Acetylsalicylic acid) 80 mg daily Bisoprolol 2.5 mg daily D-cure (Colecalciferol) once weekly Ekeox (Vinifaxine) 75 mg daily Glucophage (Metformin) 500 mg twice daily Humalog (Insulin lispro) 10 IU three times daily Lantus (Insulin glargine) 40 IU once daily L-Thyroxine 125 µg daily Lisinopril 5 mg daily Simvastatine 40 mg daily Paracetamol 1 g if necessary	Diabetes mellitus type 2 with micro- and macrovascular complications Bursitis left elbow -> bursectomy Cataract -> surgery Autonomous struma -> total thyroidectomy Syncope with hypoglycemia and hypotension -> hospitalization Chronic kidney disease Prostatitis -> hospitalization Spinal stenosis -> surgery	Unknown	5% steatosis	Clear pericellular fibrosis
H14		scRNA-seq Confocal Microscopy Flow Cytometry	female	75y	63kg	160cm	Symptomatic cholecystolithiasis	Laparoscopic cholecystectomy	Cholecalciferol 10 µg daily Domperidon 10 mg if necessary	Carpal tunnel release Disturbed glycaemia Hypercholesterolemia Cataract -> surgery	Unknown	>5% steatosis	Very mild pericellular fibrosis
H16		CITE-seq Confocal Microscopy Flow Cytometry	female	66y	56kg	156cm	Colorectal cancer with liver metastases (segment II/VIII)	Liver resection with adhesiolysis	In advance: 4 cycles of FOLFOX (Leucovorin/ Fluorouracil/Oxaliplatin)	Wertheim-Meigs operation (in 1998)	Unknown	<5% steatosis	No
H17		Flow Cytometry	female	33y	64kg	178cm	Symptomatic cholecystolithiasis	Laparoscopic cholecystectomy	Paracetamol 1 g if necessary Bellina (Ethinylestradiol/Chlormadinone acetate) 0.03/2 mg daily	Endometriosis	Unknown	No	Mild pericellular fibrosis
H18		CITE-Seq Flow Cytometry	female	28y	52kg	157cm	Hepatocellular adenoma (segment V/VI)	Laparoscopic liver resection + cholecystectomy	Movicol (Macrogol + electrolytes) if necessary Paracetamol 1 g if necessary Tradonal (Tramadol) 50 mg if necessary Cleane (Enoxaparin sodium) 40 mg daily	Acne Asthma Hay fever	Unknown	No	Mild pericellular fibrosis
H19		Flow Cytometry	female	25y	67kg	160cm	Colorectal cancer with synchronous diffuse liver metastases	Liver resection + microwave ablations	Lindynette 30 (Ethinylestradiol/Gestodene) 0.03/0.075 mg daily Magnesium daily Minocycline 100 mg daily Mometason nasal spray 50 µg twice daily Pantomed (Pantoprazol) 40 mg daily Paracetamol 1 g if necessary Tradonal (Tramadol) 50 mg if necessary In advance: 8 cycles of FOLFOX (Leucovorin/ Fluorouracil/Oxaliplatin) + panitumumab	Unknown	No	No	
H20		Flow Cytometry	female	51y	80kg	173cm	Colorectal cancer with metachronous liver metastases	Liver resection	In the past: adjuvant FOLFOX (Leucovorin/ Fluorouracil/Oxaliplatin) In advance: 8 cycles of FOLFIRINOX (Leucovorin/ Fluorouracil/Irinotecan/Oxaliplatin) + bevacizumab	Diabetes mellitus type 2 with peripheral polyneuropathy Metabolic syndrome Total hysterectomy	Unknown	5-10% steatosis	Pericellular fibrosis
									Amlodipine 5 mg daily Betahistine 16 mg three times daily Mirabegron 25 mg daily				

H21	scRNA-seq Flow Cytometry	female	77y	68kg	156cm	Hepatocellular carcinoma (segment II/VII)	Liver resection	Acetylsalicylic acid 100 mg daily Clethane (Enoxaparin sodium) 40 mg daily Duloxetine 60 mg daily Deanxit (10 mg melitracen + 0.5 mg flupentixol) once daily Mefenamic 500 mg daily Lormetazepam 1 mg daily Oxydodon 20 mg daily Pantoprazol 40 mg daily Paracetamol 1 g four times daily Prolopa (100 mg levodopa + 25 mg benserazide) three times daily Magnesium 3g daily Simvastatine 40 mg daily	Cholecystectomy Diverticulosis Hemorrhoids Gastric sleeve Parkinson Cystadenocarcinoma --> bilateral ovariectomy and appendectomy + chemotherapy (Endoxan, Platinol)	Unknown	<5% steatosis	Cirrhosis
H22	scRNA-seq Flow Cytometry	female	55y	66kg	169cm	Liver injury (segment VI)	Laparoscopic liver resection	Unknown	Migraine Meningitis	Unknown	No	No
H23	scRNA-seq Flow Cytometry	female	75y	142kg	168cm	Morbid obesity	Roux-en-Y-gastric bypass	Unknown	hypothyroidism appendectomy	Unknown	No	5-10% fibrosis
H24	Flow Cytometry	male	58y	74kg	177cm	Metastasis of colorectal adenocarcinoma (segment VIII)	Liver resection	Atorvastatine (Lipitor) 40 mg daily Minocycline 100 mg daily Paracetamol 1 g four times daily if necessary Tradolol (Tramadol) 50 mg four times daily if necessary Seretide (50 µg salmeterol + 250 µg fluticasone) one dose daily Ventolin (Salbutamol) Nasonex (mometason) 2 times twice daily Flixonase (fluticasone) Microgynon (30 µg ethinylestradiol + 150 µg levonorgestrel) once daily In advance: 4 cycles of CAPOX (Capecitabine/Oxaliplatin)	Asymptomatic chronic calcifying pancreatitis Nephrolithiasis Lumbar hernia	Sporadic	5-10% steatosis	No
H25	scRNA-seq Confocal + RNAScope Flow Cytometry	female	49y	99kg	176cm	Symptomatic cholecystolithiasis	Laparoscopic cholecystectomy	Ventolin (Salbutamol) Nasonex (mometason) 2 times twice daily Flixonase (fluticasone) Microgynon (30 µg ethinylestradiol + 150 µg levonorgestrel) once daily In advance: 4 cycles of CAPOX (Capecitabine/Oxaliplatin)	Asthma Nasal polyposis grade 3 Obesity	No	5-10% steatosis	Minimal pericellular fibrosis
H26	Confocal + RNAScope	male	57y	120kg	191cm	Colorectal cancer with liver metastases	Liver resection	Metoprolol Enalapril Atorvastatin	Arrhythmia Sinusitis Arterial hypertension Gout	Unknown	20% steatosis	Mild pericellular fibrosis
H29	Confocal + RNAScope	female	67y	106kg	164cm	Morbid obesity	Gastric bypass	Nobiten (nebivolol) 2.5 mg twice daily Entresto (49 mg sacubitril + 51 mg valsartan) Procoralan (ivabradine) 5 mg Pantomed (pantoprazol) 40 mg once daily Cymbalta (duloxetine) 60 mg once daily Zolpidem 10 mg once daily Calcium Mirtazapine 15 mg daily Spirinolactone 25 mg daily Montelukast once daily Relvar (Fluticasone/Vilanterol) 184/22 µg daily Incruse (umeclidinium) once daily Duovent (ipratropium + fenoterol) if necessary Azithromycine 250 mg three times daily Mometasone nasal spray (50 µg) 2 doses once daily Asaflow (Acetylsalicylic acid) 80 mg daily	Osteopenia Hemorrhoids Hysterectomy/ovariectomy Cholecystectomy Gastritis Cardiomyopathy Asthma with persistent bronchial obstruction Depression	Unknown	10% steatosis	Minimal pericellular fibrosis
H30	snRNA-seq	female	64y	96kg	159cm	Obesity class 2	Gastric Bypass	Asaflow (Acetylsalicylic acid) 80 mg daily	Appendectomy Cholelithiasis -> cholecystectomy Varicectomy	No	15%	No
H32	snRNA-seq	male	33y	123kg	174cm	Obesity class 3	Gastric Bypass	/	/	Unknown	50%	No
H33	snRNA-seq	male	67y	82.7kg	Unknown	Liver abscess	Resection	Lisinopril 5 mg daily Asaflow (Acetylsalicylic acid) 80 mg daily Paracetamol 1 g if necessary Tradolol (Tramadol) 50 mg if necessary Tresiba (insulin degludec) 16 IU once daily Novorapid (insulin aspart) 10 IU three times daily	Cholecystectomy Diabetes mellitus type 1	Unknown	No	Mild pericellular fibrosis
H35	Visium	female	59y	102kg	159cm	Obesity class 3	Gastric Bypass	Co-Bisoprolol (bisoprolol/hydrochlorothiazide) 5/12.5 mg daily Pantoprazol 40 mg daily	Tonsillectomy Adenotomy Appendectomy Nephrolithiasis Menopause Arterial hypertension Food allergy	Unknown	35-40%	No
H36	Visium	male	59y	55kg	175cm	Colorectal cancer with liver metastases	Resection	Epipen (epinefrine) 0.3 mg if necessary	Diabetes mellitus type 2 Obstructive sleep apnea Depression Coronary artery disease Arterial hypertension Hypercholesterolemia	6 standard units daily	No	mild pericellular & periportal
H37	snRNA-seq Visium	male	58y	118kg	176cm	Obesity class 2	Gastric Bypass	Asaflow (Acetylsalicylic acid) 80 mg daily Olmotec (olmesartan/medoxomi) 40/25 mg daily Bisoprolol 10 mg daily Metformin 850 mg three times daily Pantoprazol 40 mg daily Atorvastatine 40 mg daily Nortrilen (Nortriptyline) 25 mg three times daily Baclofen 5 mg three times daily Paracetamol 1 g three times daily Pregabalin 300 mg twice daily Sulpiride 50 mg twice daily	Diabetes mellitus type 2 Obstructive sleep apnea Depression Coronary artery disease Arterial hypertension Hypercholesterolemia	Unknown	70%	Clear pericellular fibrosis
H38	snRNA-seq Visium	female	68y	95kg	174cm	Symptomatic cholecystolithiasis	Cholecystectomy	/	Obesity	Unknown	10%	Mild pericellular fibrosis