

| Hospital | Universities/ Institute Affiliations | Possible Higher Degrees/ Academic Positions | Research Type | Projects available | Supervising Surgeon |
|---|--|---|-------------------------|---|--|
| The Queen Elizabeth Hospital - Dept HPB Surgery | University of Adelaide Basil Hetzel Institute | <ul style="list-style-type: none"> • Master of Minimally Invasive Surgery, 1 year • Master of Surgery 1-2 years • PhD 3 years FT | Basic/ Translational | • Liver Tumor Ablation | Guy Maddern Harsh Kanhere |
| | | | Clinical | <ul style="list-style-type: none"> • Portal Shunting • National Mortality Audit • Simulated Surgical Education • New Technology Assessment | |
| Auckland City Hospital HBP/Upper GI Unit | University of Auckland | <ul style="list-style-type: none"> • Master and Doctoral enrolled at University of Auckland FT • Mercy/Ascot PhD scholarship • Contestable Lecturer position available • Clinical Research - Clinical Fellows | Basic/ Translational | <p>Mitigating cellular bioenergetic failure after surgery</p> <p>Basis of toxicity of mesenteric lymph in critical illness</p> <p>Optimizing fluid resuscitation</p> | Adam Bartlett Max Petrov Anthony Phillips Lindsay Plank John Windsor |
| | | | Clinical | <p>Role of probiotics in liver transplantation</p> <p>Monitoring redox status in severe illness</p> <p>Patient tailored approach to enteral nutrition</p> <p>Improving surgical outcomes in livers with NAFLD</p> <p>Mapping gastric electrical dysfunction and novel treatments</p> <p>Improving the safety and efficacy of microwave ablation</p> <p>Impact of obesity on organ function in acute and critical illness</p> <p>Cognitive simulation for procedural training</p> <p>Redesign of percutaneous drains to prevent blockage</p> | |
| Royal Brisbane Hospital - HPB Unit | | | Clinical | <ul style="list-style-type: none"> • Experimental work on clinical effects of pneumoperitoneum • Histologic analysis of Hepatic Adenomas • PET in Pancreas cancer • Examination of Liver Resection database, including lap liver resection • Oesophageal sphincter function with "Endoflip" • Lithotripsy via the cystic duct • Numerous clinical trials in Bariatric Surgery | Nick O'Rourke Richard Bryant Les Nathanson George Hopkins |
| | University of Sydney | | | <ul style="list-style-type: none"> • Proteomic Analysis of Pancreatic Cancer and Hepatocellular cancer • Colorectal and pancreatic cancer animal models for testing chemotherapy sensitivity | |

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| Royal North Shore Hospital/ North Shore Private Hospital | University of Sydney CanSur Foundation Kolling Institute of Medical Research | Masters of Surgery and PhD | Basic/ Translational | Resources available: <ul style="list-style-type: none"> • Prospective liver resection data base 1998-present • HPB Tumour bank 2001- present • Explant "mesh"bank 2011-present | Thomas J Hugh Jas Samra |
| Hospital | Universities/ Institute Affiliations | Possible Higher Degrees/ Academic Positions | Research Type | Projects available | Supervising Surgeon |
| Royal North Shore Hospital/ North Shore Private Hospital | University of Sydney CanSur Foundation Kolling Institute of Medical Research | Masters of Surgery and PhD | Clinical | Various clinical projects related to : <ul style="list-style-type: none"> • Colorectal liver metastases • Cholangiocarcinoma • NET liver metastases • Vascular resection during pancreatic surgery Resources available: <ul style="list-style-type: none"> • Prospective gallstone data base 1998-present • Full time data manager • On site wet/dry lab in the Sydney Clinical Skills + Simulation Centre | Thomas J Hugh Jas Samra |
| Austin Health Centre | University of Melbourne | Masters/ PhD | Basic/ Translational | <ul style="list-style-type: none"> • Renin Angiotensin System and colorectal liver metastases • Role of lymphatics in colorectal liver metastases • Liver regeneration and tumour stimulation • Bradykinin receptors in colorectal liver metastases • EMT changes following vascular targeting agents for colorectal liver metastases • Animal models of pancreatic cancer and underlying signalling pathways | Christopher Christophi DR VIJAYARAGAVAN MURALIDHARAN |
| | | | | Significance of circulating tumour cells in liver malignancy <ul style="list-style-type: none"> • PET for colorectal liver metastases and pancreatic carcinoma | |

Masters/ PhD

Clinical

- Sentinel node mapping for colorectal liver metastases
- Clinical outcomes in HPB malignancy and transplantation
- Preservation techniques for marginal donors