



Saturday, 19<sup>th</sup> August 2023

0900 - 1640

# Laparoscopic Anatomy & Pelvic Demonstration (Lap-Demo) Virtual Workshop

Course Convenor:

**Dr Michael Wynn-Williams**

MBChB, FRANZCOG

To apply for PD points/hours, please ensure you follow the new RANZCOG guidelines.

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## Faculty

Dr Michael Wynn-Williams MBChB (Otago), FRANZCOG

Dr Danny Chou, MBBS FRANZCOG

Dr Sarah Choi, FRANZCOG, FHKCOG, FHKAM(O&G), MRCOG(London), MBChB

Dr Helen Green, MBBS, FRANZCOG, CGO

Prof Jason Abbott B Med (Hons), FRANZCOG, FRCOG, PhD

Dr Joanne Dale MBBS, FRACS

# Laparoscopic Anatomy & Pelvic Demonstration (Lap-Demo) Workshop

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## Venue & Date:

Medical Engineering and Research Facility  
Queensland University of Technology  
Prince Charles Hospital Campus  
Staib Rd, Chermside  
Saturday, 19<sup>th</sup> August 2023

## Virtual Zoom On-Line Broadcast

### IT Requirements

- Good internet connection
  - Zoom - latest version
    - As there will be a large number of participants, the workshop will run as a Zoom Webinar
  - Participants are encouraged to ask questions through "Q&A" function
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## Course Description

The AGES Laparoscopic Anatomy & Pelvic Demonstration Workshop is suitable for all levels of RANZCOG trainees and specialists.

It is a single day, intensive, pelvic anatomy primer, for those wishing to expand their knowledge of what lies beneath the pelvic and abdominal peritoneum.

AGES aims to allow access to quality anatomy teaching by providing a number of courses that focus on a functional laparoscopic approach to pelvic anatomy. The demonstration course allows for thirty registrants to participate in lectures, watch live surgery and interact with highly skilled laparoscopic surgeons as they delve into the anatomical aspects of the female pelvis.

The dissection is performed on female fresh frozen donors at the Medical Engineering and Research Facility (MERF), Queensland University of Technology (QUT) facility in Brisbane.

Highly interactive presentations are followed by the relevant focussed dissections. These being performed on six compartments of the pelvis and abdomen.

All participants will be provided with pre-reading and copies of the presentations a week prior to the workshop.

Registrants can expect to increase their anatomical knowledge and awareness allowing for improved surgical confidence and outcomes and reduced complications for their patients.

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## Target Audience:

RANZCOG Trainees and Fellows

## Prerequisites:

RANZCOG O&G Trainee and/or Specialist O&G RANZCOG

## Lap-Demo Course Objectives:

Facilitate the deeper understanding of female pelvic anatomy and laparoscopic surgical dissection.

## Lap-Demo Course Aims:

To understand, and observe laparoscopic dissection of the female pelvis in relation to the

1. Abdominal wall, and pelvic surface anatomy
2. Pelvic bony anatomy, neurovascular relations, muscles, ligaments
3. Pelvic viscera, bladder, uterus, ovaries and the rectum
4. Midline and lateral avascular spaces, and the pelvic sidewall
5. Surgical layers of the pelvic sidewall (ureter, vessels and nerves)
6. Anatomy of pelvic floor (muscle, nerves, vessels, relation for prolapse surgery)
7. Anatomical distribution of pelvic nerves including somatic and autonomic system
8. Understanding of nerve sparing procedures in endometriosis and other gynaecological anatomical procedures, with a retro peritoneal approach for dissection
9. Upper abdomen anatomy (sigmoid, caecum, small bowel, diaphragm, para-aortic lymph nodes, mesentery, omentum, ureteric relations)

## Lap-Demo Learning Outcomes:

1. Enhance knowledge of the anatomy of the female pelvis in relation to laparoscopic surgery with an emphasis on pelvic avascular spaces, pelvic nerve identification and sparing
2. Develop an understanding of laparoscopic dissection techniques with an emphasis on ureterolysis and access to the avascular spaces and planes
3. Appreciate that the acquisition of anatomical knowledge and dissection techniques improves surgical procedures and is a career long process

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## Course Program

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0900 – 0930: Welcome - **Dr Michael Wynn-Williams**  
Aims, pre-activity reading and survey - **Dr Michael Wynn-Williams**  
Introduction to Anatomical dissection -  
Pre-course Exam

*Workshop consisting of 6 sessions:*

*Lecture and video presentations (15 min) and interactive dissection (45 mins)*

0930 – 1030: **SESSION 1 - Abdomen and pelvis - Prof Jason Abbott / Dr Danny Chou**

**Lecture** – anterior abdominal wall, skeletal spine and pelvis, surface landmarks, variations (BMI, previous surgery), entry sites, the uterus

**Dissection** – Abdominal surface anatomy, port placement, pneumoperitoneum, 360-degree familiarisation, adhesiolysis / restore anatomy, Sigmoid mobilisation, Surface anatomy of the pelvis, Introduction to the midline and lateral pelvic spaces

1030 – 1045: Morning Tea

1045 – 1145: **SESSION 2 - Pelvic sidewall -Dr Michael Wynn-Williams / Dr Sarah Choi**

**Lecture** – anatomical vs surgical dissection, fat interface, vessels, deep sidewall in surgical context, the pelvic spaces, first and second surgical layer bilaterally, ureter - course and anatomy, internal iliac artery anterior division, hypogastric plexus, obturator nerve, external iliac and branches

**Dissection** – Ureter, surgical spaces demonstrated, anterior division of the internal iliac, hypogastric plexus, obturator artery, external iliac vessels.

1145 - 1245: **SESSION 3 – Deep lateral sidewall and associations Dr Sarah Choi / Dr Danny Chou**

**Lecture** – obturator space, psoas muscle, genitofemoral nerve, inguinal canal, femoral neurovascular bundle, pudendal bundle and sciatic nerve

**Dissection** - obturator space, psoas muscle, genitofemoral nerve, inguinal canal, femoral nerve, pudendal bundle and sciatic nerve, Sacral Nerve Roots

1245 - 1315: Lunch

1315 - 1415 **SESSION 4 – Bowel anatomy - Dr Joanne Dale (Colorectal Surgeon) / Dr Michael Wynn-Williams**

**Lecture** – bowel anatomy, inferior mesenteric artery, aortic bifurcation, middle sacral artery, rectosigmoid and vasculature, caecum and appendix

**Dissection** - mobilise Caecum, descending colon, retro-rectal space, rectovaginal space, appendix

1415 - 1515 **SESSION 5 – The upper ureter, kidney, para-aortic anatomy - Dr Helen Green / Prof Jason Abbott**

**Lecture** –Upper Ureter, Kidney, Abdomino/Pelvic Lymph Nodes, Posterior Abdomen Retroperitoneum

**Dissection** – Pelvic Lymph Nodes, Para-aortic dissection, IP (ovarian) & Renal vessels, Lumbar portion of ureter, Kidney,

1515 - 1530: Afternoon Tea

1530 - 1630 **SESSION 6 – Bladder, pelvic floor and pelvic nerve anatomy – Dr Danny Chou/ Dr Sarah Choi**

**Lecture** – bladder anatomy, vesicovaginal space, retropubic space (of Retzius), Cooper's ligament, white line, Pelvic floor – levator ani

**Dissection** – Rectovaginal space, The pelvic floor, Vesicovaginal space, The Bladder, Space of Retzius, Cooper's ligament, Obturator canal, Final review of the pelvic anatomy

1630 - 1645 Debrief, post course exam

1645: Close of workshop

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