



ANZACA 2019 Programme\*  
The University of Western Australia  
Perth, Western Australia, Australia

Wednesday 4 <sup>th</sup> December 2019	
11:00-11:30	Pre-conference registration open
11:30-12:45	Pre-conference Gold Sponsor Workshop: 3D Organon
12:45-1:30	Lunch (provided) ( <i>Tattersall Lecture Theatre</i> )
1:30-2:30	Pre-conference workshop: “The Modern Anatomist: Where Are We Now and Where Are We Headed?” Led by Dr Amanda Meyer
3:00-3:30	Afternoon tea (provided) ( <i>Tattersall Lecture Theatre</i> )
3:30-5:30	Pre-conference workshop: “Educational Research” Led by Assoc. Prof. Michelle Lazarus
6:00-8:00	Welcome Event ( <i>Steves</i> )
Thursday 5 <sup>th</sup> December 2019	
9.00-9.30	9:00-9:05 Welcome by Chair: Dr Amanda Meyer 9:05-9:10 Welcome to Country 9:10-9:15 Welcome to UWA: Professor David Sadler 9:15-9:20 Welcome to Anatomy at UWA: E/Professor John McGeachie 9:20-9:30 Commemoration Ceremony: Professor Nalini Pather
9.30-10.15	<b>Keynote Address:</b> Professor Claire Smith The Known and the Unknown Secrets of Anatomy Learning
Oral Presentations – Session 1 ( <i>Tattersall Lecture Theatre</i> ) Session Chairs: Dr Amanda Meyer and Mr Zachary Rostron	
10.15-10.30	<b>Drake T &amp; Gregory LS</b> Understanding the sex bias in cadaveric perceptions.
10:30-10:45	Boston L, Griffiths D, Hall R, <b>Majda BT</b> , Ma B, Nicholls PK & Paul D Taking anatomy teaching On Country - lessons from a rural placement for medical students.
10:45-11.45	Morning Tea (provided) & Poster Viewing

<b>Poster Presentations – Session 1 (Anatomy Seminar Room)</b>	
Session Chair: Dr Natasha Flack	
11:05-11:07	<b>Barry CM.</b> Simple innovations in anatomy practical classes to promote language and visuo-spatial learning.
11:08-11:10	<b>Babri A.</b> Evaluation of flipped classroom as a tool to enhance higher-order clinical anatomy thinking.
11:11-11:13	<b>Agrawal D, Ghatak S, Agrawal GA.</b> Improvement of knowledge of human anatomy in 1st year medical students by 3-D software-based teaching.
11:14-11:16	<b>Punja R, Hosapatna M, Sumalatha S.</b> An undergraduate medical student's perception towards the various teaching modalities in anatomy.
11:17-11:19	Lazarus L, <b>Naidoo J</b> , Satyapal KS. An evaluation of the concept of professionalism at the University of KwaZulu Natal's medical curriculum.
11:20-11:22	<b>Pękala JR, Pękala PA, Pasięka P, Paziewski MP, Tomaszewski KA.</b> Popliteofibular ligament of the knee - a meta-analysis.
11:23-11:35	<b>Paziewski MP, Pękala PA, Pękala JR, Pasięka PM, Tomaszewski KA &amp; Walocha JA.</b> The clinical and anatomical significance of meniscofemoral ligaments.
11:26-11:28	<b>Matthews N &amp; Dayal M.</b> A plantaris muscle with a unilaterally present bicipital head.
11:29-11:31	POSTER WITHDRAWN
11:32-11:34	<b>Solewski B &amp; Lis M.</b> Association of morphology and density of the telocyte-like cells with age and calcification status of the human aortic valves.
11:35-11:37	<b>Naidoo J, Rennie CO, Satyapal KS, Lazarus L.</b> An anatomical investigation into dural septations at the intracranial aspect of the jugular foramen.
11:38-11:40	<b>Pasięka P, Mann M, Pękala PA, Pękala JR, Paziewski M, Bagiński A, Tomaszewski KA.</b> The prevalence and anatomical significance of popliteal arcuate ligament.
<b>Oral Presentations – Session 2 (Tattersall Lecture Theatre)</b>	
Session Chairs: Dr Mauro Vaccarezza and Ms Georga Bruechert	
11:45-12:00	<b>Dalrymple A, Haberger R &amp; Schuwirth L</b> Anatomical skill management at Flinders University: transitioning between two-dimensional and three-dimensional data.
12:00-12:15	<b>Branson T, Shapiro L, Goldworthy M &amp; Johnson I</b> Guided visuospatial instruction in anatomy improves 3-dimensional recall and is not influenced by EEG recording.
12:15-12:30	<b>Birbara NS &amp; Pather N</b> Factors to consider in the instructional design of virtual learning resources for anatomy education.
12:30-12:45	<b>Corvalan Diaz C</b> Anatomy teaching via ultrasound based learning.

12.45-1.30	Lunch (provided)
<b>Keynote Workshop</b> <b>Professor Claire Smith</b> <i>(Tattersall Lecture Theatre)</i>	
1.30-2.30	<b>Smith CF</b> Naked Anatomy- delivering ultrasound and living anatomy to medical students
2.30-3.30	Afternoon Tea (provided) & Poster Viewing
<b>Poster Presentations – Session 2 (Anatomy Seminar Room)</b> Session Chair: Professor Ian Johnson	
2:41-2:43	<b>Punja D, Ajith C, Nayak K &amp; Prabhu K.</b> Reinforcing cardiac cycle using concept of murmur timings: a comparison of different teaching strategies.
2:44-2:46	<b>Smith CF, Luscombe C &amp; Atley J.</b> The nearly doctors and how they can inform anatomy education.
2:47-2:49	<b>Green RA, Al-Aubaidy HA, Whitburn LY, Silvester AC &amp; Hughes DL.</b> 'Flipped' vs traditional anatomy lectures to deliver content using anatomical principles; quantitative and qualitative student outcomes.
2:50-2:52	<b>White LJ &amp; McGowan HW.</b> Perceptions of an undergraduate anatomy near-peer mentor program.
2:53-2:55	<b>Matthews N &amp; Dayal M.</b> Reproducing 3D printed models for anatomical education: a feasibility study.
2:56-2:58	<b>Pękala JR, Pękala PA, Solewski B, Lis M, Pasięka P, Paziewski MP, Tomaszewski KA &amp; Koziej M.</b> Persistent median artery and its anatomical relevance - a meta-analysis.
2:59-3:01	<b>Pasięka P, Pękala PA, Pękala JR, Paziewski M, Mann M, Tomaszewski KA.</b> How prevalent is infrapatellar synovial fold?
3:02-3:04	<b>Paziewski MP, Pękala PA, Pękala JR, Mann M, Baginski A, Pasięka PM, Tomaszewski KA &amp; Walocha JA.</b> The Prevalence and geographical distribution of The Fabellofibular Ligament. A Meta-analysis.
3:05-3:07	Lazarus L, <b>Naidoo J &amp; Singh B.</b> A reappraisal of the thoracoscopic anatomy for palmar hyperhidrosis.
3:08-3:10	<b>Bell CA, Reynolds MS &amp; Gregory LS.</b> Mapping the ossification of the sternum in a contemporary Queensland paediatric population using computed tomography.
3:11-3:13	<b>Bruechert GK, Thorpe Lewis CG, Edwards WHB &amp; Fogg QA.</b> Clinically important sectional anatomy of the medial intermuscular septum of the foot.
3:14-3:16	<b>Thorpe Lewis CG, Bruechert GK, Edwards WHB &amp; Fogg QA.</b> Attachments to the hallucal sesamoids: a sectional anatomy and sheet plastination study.

3:17-3:19	<b>Zarzecki MP</b> , Jaworek-Troć J, Krupa K, Żmuda P, Zarzecki JJ & Walocha JA. Anatomical variations of the main septum of the sphenoidal sinus and its importance during transsphenoidal approaches to the sella turcica.
3:20-3:22	<b>Fogg QA.</b> Time to bury the radial collateral ligament of the wrist.
3:23-3:25	<b>Sattarath P</b> , Wattanajittikul K, Prasitwattanaseree S, Settakorn J & Mekjaidee K. Age-related lumbar trabecular bones in a Thai population.
<b>Oral Presentations – Session 3 (Tattersall Lecture Theatre)</b> Session Chairs: Dr Lisa Lee and Mr Casper Thorpe Lowis	
3:30-3:45	<b>De Oliveira BIR</b> , Ng L, Furness A, Ownes JP, Jaques A & Travers M Automated formative assessments are associated to successful academic outcomes among first year anatomy students.
3:45-4:00	<b>White LJ &amp; McGowan HW</b> Analysis of an undergraduate anatomy near-peer mentor program.
4:00-4:15	<b>Kanasker N</b> , Sonje P & Vatsalawamy P Handmade models for gross anatomy: an innovative small group teaching tool for better understanding.
4:15-4:30	<b>Anscomb HL</b> Near peer teaching in first year anatomy: differences between students' learning behaviour and feedback responses.
4:30-4:45	<b>Nicholls PK</b> Wot - no students! Bringing anatomy students back into the lecture theatre with audience response systems.
<b>ANZACA AGM</b> (Tattersall Lecture Theatre)	
5:00-6:00pm	Annual General Meeting of the Australian and New Zealand Association of Clinical Anatomists
<b>Conference Dinner</b>	
7.00-11.00	The University Club of Western Australia

## Friday 6th December 2019

9.00-9.45	<b>Keynote Address:</b> Associate Professor Lisa Lee Holistic integration in anatomical sciences education; content, competencies, pedagogies, can we do it all?
<b>Oral Presentations – Session 4 (Tattersall Lecture Theatre)</b> Session Chairs: Dr Claire Smith and Mr Ron Coutts	
09:45-10:00	<b>Aziz J &amp; Morgan MF</b> The effectiveness of concomitant use of cross-sectional anatomy and CT images in teaching anatomy to medical imaging students.
10:00-10:15	<b>Trollope A</b> , Domett K, Woolley T & Gavan A Evaluating the effectiveness of an online interactive histology resource.

10:15-10:30	<b>Stiver ML</b> , Agur AMR & Mirjalili A Development and pilot testing of a novel ultrasound protocol for investigating chronic pain in trapezius.
10:30-10:45	<b>Green RA</b> , Pizzari T, McClelland J, Zacharias A, Huynh P, Weerakkody N & Semciw AI Between session reliability of intramuscular electromyography for segments of gluteus medius and minimus during gait and stepping tasks.
10.45-11.30	Morning Tea (provided) & Poster Viewing
<b>Poster Presentations – Session 3 (Anatomy Seminar Room)</b> Session Chair: Associate Professor Quentin Fogg	
10:50-10:52	<b>Byun S</b> , Sandeman D, Shulruf B & Pather N. Paediatric regional anaesthesia: a two-year retrospective analysis of procedures, techniques and clinician expertise.
10:53-10:55	<b>Sonje P</b> , Kanasker N & Vatsalawamy. Embryology made fascinating for undergraduate students through implementation of innovative teaching methods.
10:56-10:58	<b>McGowan HW</b> , Hughes DL, Whitburn LY, Biggs L & McDonald AC. Team-teaching in a large first-year human anatomy subject: student perceptions and learning outcomes.
10:59-11:01	Salado-Vega L & <b>Dayal MR</b> . The anatomical database.
11:02-11:04	Newman JH, <b>Meyer AJ</b> , Carr SE. Neuroanatomy education in Australian and New Zealand medical schools.
11:05-11:07	Omotoso BR, Harrichandparsad R, <b>Naidoo J</b> , Lazarus L & Satyapal KS. Fenestration of the Intracranial Vertebral Artery and Vertebrobasilar Junction Detected with Multidetector Computed Tomography Angiography.
11:08-11:10	<b>Zarzecki MP</b> , Jaworek-Troć J, Krupa K, Żmuda P, Zarzecki JJ, Walocha JA & Tomaszewski KA. CT evaluation of the relationship between the sphenoid sinuses and the optic and carotid canals with their clinical implications.
11:11-11:13	POSTER WITHDRAWN
11:14-11:16	POSTER WITHDRAWN
11:17-11:19	Tennakoon A, Katharesan V, Musgrave I, Koblar S, Faull R, Curtis M & <b>Johnson I</b> . Cerebral cortex cytokine changes in healthy ageing, Motor Neurone Disease and Alzheimer's Disease.
11:20-11:22	<b>Williams A</b> , Flack NAMS & Woodley SJ. An anatomical study of the iliocapsularis muscle.
11:23-11:25	<b>Rostron Z</b> , Green RA, Kingsley MIC & Zacharias A. Associations between physical activity and muscle size and strength: a systematic review with meta-analysis.
<b>Oral Presentations – Session 5 (Tattersall Lecture Theatre)</b> Session Chairs: Dr Beatriz IR de Oliveira and Mr Connor Blythe	
11:30-11:45	<b>Coutts RG</b> , Saunders FR, Aspden RM & Groening F Imaging the collagen architecture in human finger joint capsules.

11:45-12:00	<b>Fogg QA.</b> Redefining wrist anatomy: extra-capsular contributors to the ulnocarpal ligament complex.
12:00-12:15	Matar I, Lucas T, Gregory L, Byun S, Morris S & <b>Pather N</b> Estimating age from carpal ossification: does side matter?
12:15-12:30	<b>Bruechert GK</b> , Thorpe Lewis CG, Edwards WHB & Fogg QA The revised structure and arrangement of the tarsal tunnel via sectional anatomy and 3D virtual modelling.
12:30-12:45	<b>Thorpe Lewis CG</b> , Bruechert GK, Edwards WHB & Fogg QA 3D micro-CT to demonstrate the detailed spatial arrangement of the nutrient foramina of the hallucal sesamoids.
12.45-1.30	Lunch (provided)
<b>Keynote Workshop</b> <b>Associate Professor Lisa Lee</b> <i>(Tattersall Lecture Theatre)</i>	
1.30-2.30	<b>Lee LMJ</b> Mindful mining of the digital goldmine, Virtual Microscopy Database to support learners & educators.
2.30-3.45	Afternoon Tea (provided) & Poster Viewing
<b>Poster Presentations – Session 4 (Anatomy Seminar Room)</b> Session Chair: Dr Manisha Dayal	
2:41-2:43	<b>Flack NAMS</b> , Hurren BJ, Sutherland E, Neuman F, Woodley SJ & Nicholson HD. “More experience gained in a comfortable environment”: Preparedness for handling dissections and dissecting animal tissues in undergraduate science students.
2:44-2:46	<b>Barton-Smith RA</b> & Fogg QA. What about me? Developing an evidence-based approach to identifying the needs of sessional anatomical demonstrators.
2:47-2:49	<b>Zimanyi MA.</b> Delivery of a postgraduate surgical anatomy program.
2:50-2:52	<b>Hidayati N.</b> Learning Dimensions of Applying Schematic Drawing in Neuroanatomy.
2:53-2:55	<b>Rai P</b> , Agrawal AK & Gupta UK. Determination of sex by morphometric study of sacrum in North Rajasthan region of India.
2:56-2:58	<b>Chand M</b> , Dedova I, Aggarwala S, Wong P, Nol J, Young N & Moscova M. Anatomical location and position of the appendix on magnetic resonance images and related pain characteristics in suspected acute appendicitis.
2:59-3:01	<b>Blythe C</b> & Gregory LS. Tracking the growth pattern of the trachea in paediatric patients.

3:02-3:04	<b>Krupa K</b> , Tattera D, Skinningsrud B, Tryzna J, Pękala P, Walcoha JA & Tomaszewski KA. The anatomy of medial lenticulostriate artery with neurosurgical considerations: A meta-analysis.
3:05-3:07	Kennedy MS, <b>Nicholson HD</b> & Woodley SJ. Tissue morphology, sensory innervation and vascularity of the shoulder bursae.
3:08-3:10	<b>Burlakoti A</b> , Kumaratilake J, Jamie T & Henneberg M. Well dampened blood pressure waves passing through the posterior cerebral artery prevent development of aneurysms.
3:11-3:13	<b>Abbasi P</b> , Ishaque M & Kashif S. Protective role of vitamin E on monosodium glutamate induced ovarian injuries in albino wistar rats.
3:14-3:16	Luckrajh JS, <b>Naidoo J</b> & Lazarus L. An Anatomical Investigation of the Zygomatic Foramina within a Select South African Population.
3:17-3:19	<b>Pymble C</b> , Midwinter M, Bennett M & Aland RC. Distal tendon variability in extensor hallucis brevis and extensor digitorum brevis.
3:20-3:22	<b>Saini N</b> , Thomas J, Huuskes B, Sharma P, Sobey C, Vinh A & Drummond G. Renal Microvascular Rarefaction in One Kidney-Deoxycorticosterone Acetate-Salt (1K/DOCA/salt)-Dependent Hypertension.
<b>Oral Presentations – Session 6 (Tattersall Lecture Theatre)</b>	
Session Chairs: Dr Rod Green and Ms Nicolette Birbara	
3:30-3:45	ORAL PRESENTATION WITHDRAWN
3:45-4:00	<b>Smith TG</b> , Reynolds MS & Gregory LS Investigating the location and morphology of the renal arteries and portal vein in a Queensland paediatric population using computed tomography.
4:00-4:15	ORAL PRESENTATION WITHDRAWN
4:15-4:30	<b>Lis M</b> & Solewski B Microanatomy of human stenotic valves - the influence of intravalvular microhemorrhages and neovascularisation on M2 macrophage polarisation.
<b>2019 Prize Presentation and Conference Close (Tattersall Lecture Theatre)</b>	
4.45-5.15	Awards and Close of Conference

**ANZACA 2019 Sponsors:**



**Conference Organising Committee:**

Dr Amanda Meyer (UWA), Dr Mauro Vaccarezza (Curtin) & Dr Beatriz IR de Oliveira (Curtin)