

15th International Symposium of Clinical and Applied Anatomy (ISCAA)

27–30 June 2024, Swansea, Wales, United Kingdom

Scientific Program

27 June 2024, Thursday

18.00–21.00 Meet & Greet at Observatory – Non-official Networking

28 June 2024, Friday

07.30 Registration opens

09.00–09.15 Opening Ceremony and Welcome notes

Prof Keith Lloyd

Pro-Vice-Chancellor/ Executive Dean, Swansea University

Prof Lisa Wallace

International Associate Dean, Swansea University

Prof David Kachlik

ISCAA Board Secretary

Assoc Prof Marcela Bezdickova

Honorary President of ISCAA 2024

09.15–10.00 **Plenary session: Mr Thomas Bragg**
'Don't Forget the Perforators'- pushing flaps to the limit

Wallace Lecture Theatre

Clinical Gross Anatomy I.

Chairs: Georg Feigl, Joyti Chopra

10.00–10.15 Analysis of the clinical relevance of abductor pollicis longus tendon morphological variability through an anatomical lens by **Jesus Mari-Gorreto**

10.15–10.30 Spatial relationship between the retroperitoneal fasciae on the dorsal side of the pancreas and the nerves by **Yuzuki Sugiyama**

10.30–11.00 **Coffee Break**

Optional Poster Viewing

Chairs: Georg Feigl, Joyti Chopra

11.00–11.15 Patella and patellar ligament morphology in comparison with anterior cruciate ligament measurements for bone-patellar tendon-bone grafts during anterior cruciate ligament reconstruction by **Niyem Pelin Cavdar Yilmaz**

11.15–11.30 The jugular foramen is rather a canal with intervals of differing anatomical implications by **Azzat Al-Redouan**

11.30–11.45 Should we reconsider the coracobrachialis muscle's typical anatomy? Intercomparison between human fetuses and adult cadavers by **George Triantafyllou**

11.45–12.30	Poster Presentations and Lunch
12.30–13.30	Simulation & Immersive Centre tour (Optional) Haldane Building, Singleton Campus
13.30–14.00	Poster Presentations Viewing and Lunch
Wallace Lecture Theatre / Oral Presentation Programme	
14.00–14.45	Plenary session: <i>Mr. Kartik Haribaran</i> Feet and Fossils: an evolutionary story of human bipedalism
	Anatomy in Health and Disease Chairs: Marko Konschake, Catarina Melo
14.45–15.00	Immunotherapy related colitis and associated anatomical changes in a steroid resistant case by <i>Dimitrios Akrivis</i>
15.00–15.15	The impact of pelvic floor awareness on post-partum women by <i>Larrisa Nelson</i>
15.15–15.30	Morphologic characteristics of Interatrial septum and its clinical relevance by <i>Joyti Chopra</i>
15.30–16.00	Coffee Break & Optional Poster viewing
	Applied Anatomy Chairs: Francisco Reina, Boduc Erengul
16.00–16.15	Morphology and morphometric features of navicular bone in the Turkish population by <i>Bahar Selenay Bulut</i>
16.15–16.30	Comparison between qualitative and quantitative sex estimation based on pelvic anatomy by <i>Marta San-Millan</i>
16.30–16.45	The branching pattern of the upper and lower subscapular nerves: an anatomical and cadaveric study by <i>Seda Nur Karaduran</i>
16.45–17.00	Anatomic feasibility study of soleus nerve transfer to deep peroneal nerve for treatment of foot drop by <i>Elif Celik</i>
17.00	Closing remarks
17.30	Penrhyn Gwyr (Rhossili Beach and Worms Head) trip – from Fulton House, Singleton Campus bus stop
21.00	ISCAA Board Meeting & Social Meeting at Mumbles - Bistrot Pierre

29 June 2024, Saturday

Wallace Lecture Theatre / Oral Presentation Programme	
09.00–09.45	Plenary session: <i>Dr. Lena Hirtler</i> New insights into Implant osseointegration and effects on bone stability
	Clinical Gross Anatomy II. Chairs: Maria Sofia-Alves Pimenta, Vaclav Baca
09.45–10.00	Suprascapular notch cross-sectional area on MRI is not highly accurate in the diagnosis of suprascapular nerve entrapment in comparison to sonography by <i>Azzat Al-Redouan</i>
10.00–10.15	Anatomical landmark for preservation of recurrent laryngeal nerve in thyroid surgery by <i>Catarina Melo</i>
10.15–10.30	Endoscopic anatomy of transmaxillary approach to the orbit by <i>Ayhan Comert</i>
10.30–11.00	Coffee Break & Optional Poster Viewing

Oral Presentations – Wallace Lecture Theatre		Parallel Sessions - Wallace Lecture Room 222	
11.00–11.15	Anatomy and Morphology Education I. Chairs: Marcela Bezdickova, Trifon Totlis Assessing the suitability of AI-generated multiple-choice questions for anatomy by <i>Nihal Apaydin</i>	Anatomy Varia I. Chairs: Zora Haviarova, Alik Fiska John Napier: Tracing the origins of a life’s work on the human hand by <i>Oliver Allon</i>	
11.15–11.30	Bridging theory and practice: key benefits of using 3d anatomical atlases alongside dissection by <i>Radovan Hudak</i>	The fine anatomy of suboccipital fasciae and their clinical applications by <i>Francisco Reina</i>	
11.30–11.45	Gamification in anatomy teaching: a systematic review by <i>Trifon Totlis</i>	Topographical anatomy of the hypoglossal nerve by <i>Elif Celik</i>	
11.45–12.00	The anatomist’s important role in creating drawings, illustrations or images: the crux of the matter lies in the detail by <i>Georg Feigl</i>	A detailed dissection and anatomical study of the hand malformation of a stillborn by <i>Anna Carrera</i>	
12.00–12.15	Student opinions on the CT examination and comparison of the pelvic organs of two female cadavers fixed with modified Larssen and 10% formalin solutions’ by <i>Erengül Boduç</i>	Branches innervating gastrocnemius and soleus muscles and their ratio to leg length: a cadaver study by <i>Işık Ecem Kilic</i>	
12.15–14.00	Poster Presentations and Lunch		
13.00–13.40	ISCAA Board Meeting – Wallace Lecture Theatre		
13.50	ISCAA 2024 Group Photo – In Front of the Wallace Building		
14.00–14.45	Plenary session: Mr. Hector Vilca-Melendez Relevant anatomy for organ procurement – Liver, intestinal and multivisceral transplantation		
14.45–15.00	Clinical Gross Anatomy II. Chairs: Ayhan Comert, Lena Hirtler Morphometric relationship between the transverse and sigmoid sinuses and the occipital belly of occipitofrontalis muscle by <i>Umit Can Yildirim</i>	Anatomy and Morphology Education II. Chairs: Nihal Apaydin, Marta San-Millan The effect of distance anatomy education on medical faculty students after a natural disaster by <i>Erengul Boduc</i>	
15.00–15.15	Relationship of branches of the sural nerve and the small saphenous vein by <i>David Kachlik</i>	CANDID (Collaborative Anatomy Near-peer Demonstrator-led Inter-Disciplinary Education Trial) - The impact of previous anatomy teaching on performance in anatomy spotters by <i>Rebecca Kent & Nikol Kralimarkova</i>	
15.15–15.30	Left-sided inferior vena cava: a case report by <i>Grace Barrett-Rees</i>	Surface and palpation anatomy: a decade of experience in enhancing anatomy education by <i>Radovan Hudak</i>	
15.30–16.00	Coffee Break & Optional Poster Viewing		
16.00–16.15	Anatomy and Morphology Education and Terminology Chairman: David Kachlik, Vladimir Musil Teaching and testing anatomy of biomedical engineering students: experiences prior, during and post COVID-pandemic by <i>Georg Feigl</i>	Comparative Anatomy and Anatomy Models Chairman: Katerina Cizkova, Dimitros Akrivis Comparison of thickness and contractile function of lateral abdominal muscles and diaphragm in women with and without primary dysmenorrhea by <i>Bilge Ipek Torun</i>	
16.15–16.30	On the terminology of the VIII cranial nerve: historical perspective by <i>Vladimir Musil</i>		
16.30–16.45	Evaluation of anatomy comic strips by <i>Min Suk Chung</i>	Experimental and bioinformatic analysis of miRNA disparities in the bicuspid aortic valve aortopathy population: knowledge base and experimental protocol by <i>Alexander Reynolds</i>	
16.45–17.00	Problematic modifiers in the TA by <i>Lewis Stiles</i>	Nanoscale remodeling effects of pirfenidone on cardiac T-tubules and ryanodine receptors in heart failure by <i>Singh-Bhangu Jaskaran</i>	

17.00	Closing remarks and Poster Presentations Award Ceremony in Wallace Lecture Theatre
19.00–23.00	Gala Dinner at National Waterfront Museum

30 June 2024, Sunday

Wallace Lecture Theatre / Oral Presentation Programme

09.00–09.45	Plenary session: <i>Dr. Katerina Cizkova</i> Hofbauer cells: Placental macrophages in health and disease
	Anatomy Varia II. Chairs: Vaclav Baca, Anna Carrera
09.45–10.00	Possibilities for biomechanical modelling of stress on individual anatomical structures of the eye using an improved mathematical model of the human eye by <i>Tereza Bacova</i>
10.00–10.15	Student opinions on the use of the 3D imaging method in anatomy education by <i>Merve Izci</i>
10.15–10.30	Anatomical bases of the deep gluteal syndrome by <i>Leonor Castro</i>
10.30–10.45	Vascularization of parathyroid glands: cadaver study and surgical implications by <i>Catarina Melo</i>
10.45–11.00	Closing remarks & Oral Presentation Award Ceremony in Wallace Lecture Theatre
11.00–12.30	Lunch

28 June 2024, Friday

Poster Presentation Programme – Part 1

08.30–09.00	Poster Installation
11.45–12.30	Poster Presentations
13.30–14.00	Poster Presentations and Viewing
15.30–16.00	Coffee Break + Poster Viewing
17.00	End of Poster Presentation
PP-01	<u>Casals A</u> , Mari-Gorreto J, San-Millán M, Castro Vaz Pereira LM, Reina F, Carrera A, Revision of human anatomy teaching methods in the training of medical students
PP-02	Cho K Anatomy of the vertebral artery in the cervical spine and potential for injury during anterior cervical surgery
PP-03	<u>Culev B</u> , Arbanas J, Veljanovska D, Brumini I Analysis of olfactory fossa asymmetry using coronal computed tomography
PP-04	<u>Davey RR</u> , Keogh K, Narrainen F, Shearn A, Nicholson T The impact of 3D-printed models for graduate entry medical students learning skull anatomy
PP-05	<u>Franovic B</u> , Zoricic Cvek S, Soic Vranic T, Veljanovska D, Begic G, Cvijanovic Pelozo O Osteogenic and inflammatory response of the alveolar bone during alveolar socket preservation using a high-density polytetrafluorethylene membrane (d-PTFE)

- PP-06** Frishons J, Krupin K, [Bezďickova M](#)
Anatomy preservation methods – Advancements and applications
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- PP-07** [Haviarová Z](#), Kuruc R, Matejčík V
Peculiarities of the mesenteric plexus structure
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- PP-08** [Haviarová Z](#), Kuruc R, Matejčík V
Peculiarities of the structure of the cervical part of the sympathetic trunk
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- PP-09** [Hussain M](#), McKeengan P
Anatomical variations in the branching pattern of left sided aortic arch (LSAA): a systematic review and meta-analysis
-
- PP-10** Keskinis A, Petkidis G, Makiev K, Vasios I, Zacharakis I, [Fiska A](#), Iliopoulos E, Drosos G
Posterior antebrachial cutaneous nerve surgical anatomy
-
- PP-11** Koliarakis I, Tsitsipanis C, Fousteri I, [Drakonaki E](#), Kokkinaki E, Tsiaoussis J
The perceived impact of participation in near-peer teaching and social media team in expanding human anatomy knowledge
-
- PP-12** [Malkidou N](#), Fiska A
Infrahyoid muscles: are they useful after all?
-
- PP-13** Mehdar K
Luteolin protective effect on cerebellar changes in a rat model of autism: histological and behavioural study
-
- PP-14** [Nasr El-Din W](#), Atwa HS, Potu BK, Fadel RA, Deifalla AS, Fatima A, Othman MA, Sarwani NAL
Implementing formative assessment in human anatomy practical sessions: medical students' perception and effect on final exam performance
-

29 June 2024, Saturday

Poster Presentation Programme – Part 2

- 08.30–09.00** Poster Installation
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- 12.15–14.00** Poster Presentations and Viewing
-
- 15.30–16.00** **Coffee Break + Poster Viewing**
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- 17.00** End of Poster Presentations – Poster Presentations Award Ceremony in Wallace Lecture Theatre
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- PP-15** Nikolic M, Arbanas J, Delak L, [Veljanovska D](#), Soic Vranic T, Celic Crnac T
The history and futures of teaching anatomy at the Faculty of Medicine in Rijeka
-
- PP-16** [Odai R](#), Mazaheri-Asadi D
Enhancing neuroanatomy education through peer-to-peer teaching: insights from the welsh national neuroanatomy teaching series
-
- PP-17** Pereira MN, Colaço N, [Alves-Pimenta S](#)
Unraveling the cribriform plate anatomy in an aged rat model
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- PP-18** Piagkou M, [Triantafyllou G](#), Kalamatianos T, Natsis K, Tsakotos G
The meningo-orbital foramen: a morphological study on dried adult skulls
-

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- PP-19** Pyszko M, [Bezdicikova M](#), Frishons J
Interspecies variation of the hard palate in selected mammalian groups
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- PP-20** [Rewal R](#), Singh Bhangu J, Stewart C
Pushing the boundaries of oncology imaging: photon-counting CT, magnetic particle imaging, and AI-driven cancer diagnostics and therapeutics
-
- PP-21** [Salavova S](#), Olson CVL, Al-Redouan A, Belbl M, Jilkova N, Vala D, Adla T, Kachlik D
Quantitative study of the new anatomical structures of the bones of the forearm
-
- PP-22** [Stiles Lewis](#), Russell Stephen
Visualizing vessels: a low-tech approach to nomenclatural problems in variant anatomy
-
- PP-23** Tomé TI, Colaço B, Costa L, Pereira J, Sargo R, Brancal H, Ginja M, [Alves-Pimenta S](#)
Ultrasound assessment of hip joint osteoarthritis in the rabbit model
-
- PP-24** [Triantafyllou G](#), Koptas K, Zielinska N, Piagkou M, Olewnik L
The accessory brachioradialis muscle (brachioradialis accessorius): prevalence of a rare variant with potential clinical significance
-
- PP-25** Tsoucalas G, [Malkidou N](#), Fiska A
Euphrosynos, pleasures of the mortal soul shall render you down to a skeletal remain
-
- PP-26** [Vallera Machete M](#), Pombo Lopes J, Oliveira JM, Tavares V, Oliveira P, Grillo Evangelista J
Anatomical characterization technique comparison of the mental foramen and mentonian nerve: CBCT and anatomical dissection
-
- PP-27** [Veljanovska D](#), Nikolic M, Franovic B, Arbanas J, Soic Vranic T, Celic Crnac T
How does hyperbaric oxygen treatment affect in regenerating m. masseter of rat?
-
- PP-28** So YI, Choi SJ, Lee HI, Kim MJ, Kim IB, [Kim Y-S](#)
Surgical anatomical study of the lateral femoral cutaneous nerve to minimize neurological complications in the direct anterior approach for total hip arthroplasty
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