

Symposium 1A: Sunday, 7 April 2019

Forensic Anthropology Interest Group:

10:30 – 12:30

Tau room

TIME	PRESENTER	TOPIC
10:30 - 12:30	Ms S. Eppel Ms L Liebenberg	How standard is standard? A glimpse at current anthropology methodology, proficiency and practice

Chairperson: Prof E.N L'Abbe (UP)

Symposium 1B: Sunday, 7 April 2019

Clinical Anatomy Interest Group:

10:30 – 12:30

Nare Room

TIME	PRESENTERS	TOPIC
10:30 - 12:30	Dr D Mohr Ms S Govender	Ultrasound anatomy of the brachial plexus blocks

Chairperson: Prof A van Schoor (UP)

Symposium 1C: Sunday, 7 April 2019

Medical Education Interest Group:

10:30 – 12:30

Rhino Room

TIME	PRESENTER	TOPIC
10:30 - 12:30	Mr L Shapiro	Body painting as an anatomical teaching and learning resource

Chairpeople: Dr G Gunston and Prof G Louw (UCT)

Symposium 1D: Sunday, 7 April 2019

Cell biology / Histology Discussion group:

10:30 – 12:30

Hippo Room

TIME	FACILITATOR	TOPIC
10:30 - 12:30	Mr M Loots	Histology education session

-----LUNCH TIME-----

Symposium 2A: Sunday, 7 April 2019

Forensic Anthropology Interest Group:

13:30 – 15:30

Tau room

TIME	FACILITATOR	TOPIC
13:30 – 15:30	Ms G Kruger Ms L Liebenberg	Findings, discussions and sharing of best practices The future of anthropology in South Africa

Symposium 2B: Sunday, 7 April 2019

Clinical Anatomy Interest Group:

13:30 – 15:30

Nare room

TIME	FACILITATORS	TOPIC
13:30 – 15:30	Dr D Mohr, Prof. A van Schoor Dr N Keough Ms U Purchase	Ultrasound demonstration

Symposium 2C: Sunday, 7 April 2019

Medical Education Discussion Group:

13:30 – 15:30

Rhino Room

TIME	PRESENTERS	TOPIC
13:30 – 15:30	Dr W Cordier Ms C Sutherland	Game-based learning and gamification

Symposium 2D: Sunday, 7 April 2019

Cell biology / Histology Interest Group:

13:30 – 15:30

Hippo Room

TIME	FACILITATOR	TOPIC
13:30 – 15:30	Prof M Bester	Round-table discussion

-----FREE TIME-----

Thomson-Stibbe lecture: Sunday, 7 April 2019

18:30 – 19:30

Tau room

PRESENTER	TOPIC
Prof Hohmann	Translational research: from the lab into the operating room and back

Chairperson: Dr N Keough (UP)

-----END OF DAY-----

Session 1: Monday, 8 April 2019
08:00 – 10:00 in Tau room
Anthropology Oral Presentations

Time:	Topic / title:	Presenter:
08:00 - 08:30	Welcome lecture	M Steyn (WITS)
08:35 - 08:48	The Face Mask Collection: The face forms of the living and the dead	TK Ramphaleng (UFS)
08:49 - 09:00	Four Iron Age skeletons from KwaZulu-Natal revisited	M Steyn (WITS)
09:01- 09:12	Facial age mapping in black and coloured South African children	JP Meyer (WITS)
09:13 - 09:24	Nose approximation in South Africans from Cone-Beam Computed Tomography (CBCT) using a new computer-assisted method based on automatic landmarking.	AF Ridel (UP)
09:25 - 09:36	Human evolution in South Africa: from bone collections to human origins	A Beaudet (WITS)
09:36 - 09:47	Accuracy and reliability of three-dimensional (3D) macroscopic and microscopic measurements performed on Cone-Beam Computed-Tomography (CBCT) and Micro-Focus X-Ray Computed-Tomography (micro-CT) -based reconstructions of the mandible	CEG Theye (UP)
09:48 - 10:00	Quantifying the variation of sulcal patterns in extant human endocasts: a probabilistic approach	EJ de Jager (UP)

Chairperson: Prof M Steyn (WITS)

Session 2: Monday, 8 April 2019
10:30 – 12:30 in Tau room
Clinical Anatomy Oral Presentations

Time:	Topic / title:	Presenter:
10:30 - 10:41	Revisiting theories about the reabsorption of cerebrospinal fluid into the venous system.	GJ Louw (UCT)
10:42 - 10:53	Anatomy of the sacral canal relevant to caudal epidural blocks in low birth-weight neonates	A van Schoor (UP)
10:54 - 11:04	Branching pattern variation of the anterior circumflex humeral artery (ACHA) in relation to the long head of biceps tendon: clinical implications for biceps tenotomy/tenodesis	N Keough (UP)
11:05 - 11:15	An anatomical study of the facial artery	K Niemann (UKZN)
11.16 - 11:25	Biomechanical properties of the tendinous and capsular layers of the rotator cuff complex: a comparative study	JY Cronje (UP)
11:26 - 11:36	The anatomical analysis of the femoral and great saphenous veins for gaining vascular access in a South African neonatal sample.	DJ van Tonder (UP)
11:37 - 11:48	A biomechanical study of the long head of biceps on supraspinatus load and humeral head position during glenohumeral abduction	S Govender (UP)
11:49 - 12:00	An osteometric evaluation of the intracranial anatomical parameters of the jugular foramen	J Naidoo (UKZN)
12:01 - 12:12	Parietal foramen: incidence and topography	J Naidoo (UKZN)
12:13 - 12:24	Variation in the sciatic nerve with respect to site of division, length and relationship to piriformis muscle.	GD Gunston (UCT)
12:25 - 12:36	Scoping review of the morphology and anthropometry of Tessier craniofacial clefts numbers 3 and 4	AO Omodan (UKZN)

Chairperson: Prof MC Bosman (UP)

Session 3: Monday, 8 April 2019
13:30 – 15:30 in Tau room

Cell biology, Histology and Veterinary Science Oral Presentations

Time:	Topic / title:	Presenter:
13:30 - 13:42	Adult neurogenesis in the paleognathous birds: the common ostrich (<i>Struthio camelus</i>) and emu (<i>Dromaius novaehollandiae</i>).	P Mazengenya (WITS)
13:43 - 13:55	In vitro effects of <i>Moringa oleifera</i> leaf extracts on human sperm functions	CS Opuwari (UL)
13:56 - 14:08	In vitro effects of <i>Aspalathus linearis</i> on human sperm cells	CS Opuwari(UL)
14:09 - 14:21	Methanolic extract of <i>Portulaca oleracea</i> (MEPO) shows no ameliorative potential in ovariectomy-induced reproductive toxicity in normal cyclic adult Wistar rats.	IA Okafor (UNIZIK)
14:22 - 14:34	In vitro effects of <i>Moringa oleifera</i> leaf extracts on TM3 Leydig cell structure testosterone production	CS Opuwari (UL)
14:35 - 14:47	Is information obtained from a single testicular biopsy in boars representative of the whole organ?	NK Xhakaza (SMU)
14:48 – 15:00	Gross morphology of the African lion (<i>Panthera leo</i>) heart	CA Marais (UP)
15:01 - 15:13	Antifungal activity and mode of action of tick derived peptide analogues against <i>Candida albicans</i>	MJ Bester (UP)

Chairperson: Prof N Oberholzer (UP)

Game-Drive
 16:00 – 19:00

-----END OF DAY-----

Session 4: Tuesday, 9 April 2019

08:00 – 10:00

Tau room

Translational Clinical Anatomy Oral Presentations

Time:	Topic / title:	Presenter:
08:00 - 08:20	How to get published: tips from an Editor	E Hohmann (DUB)
08:22 - 09:00	Pelvis fracture exposure (8:22-8:40) Biology of the Masquelet Induced Membrane (8:45-9:00)	K Tetsworth (AUS)
09:02 - 09:14	A morphometric study of tibial pes anserinus and its importance in reconstructive knee surgeries	M Virupakshamurthy (KMC)
09:16 - 09:28	Parameters of Kambin's triangle and the position of the dorsal nerve root in the lumbar spine in a South African population	A Konig (UP)
09:30 - 09:42	Variations in the subpubic angle in South Africans considering possible clinical implications	S van der Walt (SMU)
09:43 - 09:55	Accuracy with which modalities suitable to image live CI users can represent cochlear anatomy	R Baron (UP)

Chairperson: Prof E Hohmann (DUB)

Session 5A: Tuesday, 9 April 2019**10:30 – 12:30****Tau room****Anthropology Oral presentations**

Time:	Topic / title:	Presenter:
10:30 - 10:42	Metric assessment of ancestry and sex variation in the zygoma	S Muller (UP)
10:43 - 10:55	Midline cranial base growth and its relationship with vault shape	J Fredericks (WITS)
10:56 - 11:08	Geometric morphometric analysis of senescent changes in South African adult male faces	EJ Schmidlin (WITS)
11:09 - 11:21	Estimating ancestry among South African ethnic groups	O Sapo (UP)
11:22 - 11:34	Discriminant function analysis to distinguish populations: a study using humeri of South African and American samples	R Ndou (WITS)
11:36 - 11:48	Population variation of dry bone histological variables used for age-at-death estimation.	D Botha (WITS)
11:49 - 12:01	Evaluating sexual dimorphism among South African groups using the dentition	GP Shakoane (UP)
12:02 - 12:15	Performance of component- versus stage-based methods of age-at-death estimation	N Jooste (UJ)
12:16 - 12:30	Validation of metric and morphological assessment of sex and ancestry estimation on the calcaneus	T Mkhuzangwe (UP)

Chairperson: Dr D Brits (WITS)**Session 5B: Tuesday, 9 April 2019****10:30 – 12:30****Rhino Room****Poster Presentations**

Time:	Topic / title:	Presenter:
10:30 - 10:38	Review on trace element changes in brain tumours	K Cilliers (SUN)
10:38- 10:46	The gastrointestinal tract morphology and mucin histochemistry of four insectivorous bat species captured in Saudi Arabia	SH Kotze (SUN)
10:46 - 10:54	Oral exposure to cadmium and mercury alone and in combination causes damage to the lung tissue of Sprague-Dawley rats	HM Oberholzer (UP)
10:54 - 11:02	Histomorphological and biochemical changes in the liver following adjuvant treatment with Hypoxis hemerocallidea in an animal model of diabetic antiretroviral therapy	OO Azu (UKZN)
11:02 - 11:10	The use of peptide (alanine) scanning to understand the structure/activity relationship of SQSPA in terms of multiple antidiabetic targets	JC Serem (UP)
11:18 - 11:26	A scanning electron microscopic description of changes induced by a low-carbohydrate high-fat diet.	P Soma (UP)
11:26 - 11:34	Oleanolic acid attenuates high fructose- induced impairment of adult hippocampal neurogenesis in Sprague Dawley rats	P Nkomozezi (UJ)
11:34 - 11:42	Morphology of the Manus of Temminck's ground pangolin (<i>Smutsia temminckii</i>).	C Steyn (UP)

Session 5B (continued)

Time:	Topic / title:	Presenter:
11:42 - 11:50	Gross morphology of the Southern Ground-Hornbill (<i>Bucorvus Leadbeateri</i>) gastro-intestinal tract.	AD Naude (UP)
11:50 - 11:58	Anatomical variations of the sciatic nerve and its bifurcation level in a South African Population	BJ Bergsteedt (SUN)
11:58 - 12:06	Engaging Section 8 of the National Health Act 61 of 2003 in relation to the African traditional belief systems and their impact on body donation	BZ De Gama (UKZN)
12:06 - 12:14	From cranium to coccyx: Can interprofessional education (IPE) work for anatomy?	B Scrooby (NWU)
12:15 - 12:21	The effects of the green rooibos extract on the liver of rats fed a high-fat diet: a histomorphometric study	SH Kotze (SUN)
12:21 - 12:29	Maceration of burnt remains	D Brits (Wits)

Chairperson: Prof SH Kotze (SUN)

Session 6A: Tuesday, 9 April 2019

13:30 – 15:00

Tau room

Cell Biology and Histology Oral Presentations

Time:	Topic / title:	Presenter:
13:30 - 13:42	Investigations on orally digested honey as a potential therapeutic agent against <i>Candida albicans</i> : An antioxidant study.	AW Nekhumbe (UP)
13:43 - 13:55	The effects of the trapping of methylglyoxal by flavonoids on antioxidant and antibacterial activity.	RJ Ndalane (UP)
13:56 - 14:08	The dual functionality of antimicrobial peptides Os and Os-C in human leukocytes	H Taute (UP)
14:09 - 14:21	Radioprotective effects of fermented rooibos tea in developing Wistar rat brains	OE Ekpo (UWC)
14:22 - 14:34	Therapeutic activities of naringenin on efavirenz-induced sleep disorder on the midbrain of white albino mice	EN Akang (BUI)

Chairperson: Dr H Taute (UP)

Session 6B: Tuesday, 9 April 2019

13:30 – 15:00

Rhino room

Poster Presentations

Time:	Topic / title:	Presenter:
13:30 - 13:38	Prevalence of third molar agenesis and impaction in the Kirsten Skeletal Collection	MJ Bredenkamp (SUN)
13:38- 13:46	An evaluation of the discriminatory power of recently added measurements described in Data Collection Procedures for Forensic Skeletal Material 2.0	L Liebenberg (UP)
13:46 - 13:54	ComboMetrix: A combined cranial-postcranial database for metric ancestry estimation	GC Kruger (UP)
13:54 - 14:02	The Arcuate Foramen in Chalcolithic and Present Human subjects	S Nalla (UJ)
14:02 - 14:10	Differences in gonial angle values between Chalcolithic and present subjects	S Nalla (UJ)

Session 6B (continued)

Time:	Topic / title:	Presenter:
14:10- 14:18	A morphometric and morphological study of the acetabulum within the Black South African population of KwaZulu-Natal, South Africa	S Ishwarkumar (UJ)
14:18 - 14:26	Examining the osseous moustache	D Brits (WITS)
14:26 - 14:34	A morphometric investigation into soft and hard-tissue relationships of the mouth in a southern African population	TMR Houlton (WITS)
14:34 - 14:42	Anatomical variation of the left vertebral artery; a case report	BR Omotoso (UKZN)
14:42 - 14:50	The Vermian fossa: an overlooked entity	JS Luckrajh (UKZN)
14:50 - 14:58	The incidence and topographical anatomy of the zygomatic foramina	JS Luckrajh (UKZN)

Chairperson: Dr N Keough (UP)**Session 7: Tuesday, 9 April 2019****15:30 - 17:00****Tau room****Miscellaneous Oral Presentations**

Time:	Topic / title:	Presenter:
15:30 - 15:38	The shifting profile of a cadaver population	D Brits (WITS)
15:39 - 15:46	The potential harmful effects of exposure to embalmed cadavers on first year medical students at the University of the Free State.	C Vorster (UFS)
15:47 - 15:54	Scavenging trauma on bone	CA Keyes (WITS)
15:55 - 16:02	Microarchitecture and tensile strength of the rat femur (Sprague Dawley) at 12 weeks postnatally following maternal gestational alcohol treatment	D Pillay (WITS)
16:03 - 16:10	The Implications of Burned Bone on the Biological Profile: A Pilot Study	M Liebenberg (UP)
16:11 - 16:18	Case report: Supernumerary thoracic vertebra	AM Du Plessis (SUN)
16:19 - 16:26	A South African perspective to a global problem - The Johannesburg Identification Unit a pilot study	CA Keyes (Wits)
16:27 - 16:34	3D printed models of imaging data: an exciting tool for surgical planning and anatomical education	KA Keet (SUN)
16:35 - 16:42	Anatomical study on the suprazygomatic approach for the maxillary nerve block in pediatric patients	L Prigge (SMU)
16:43 - 16:50	Pitfalls in the interpretation of gunshot wounds - an anatomical perspective	IS Ferreira (UFS)
16:51 - 16:58	The importance of imaging modalities in research	S Govender (UP, SMU)

Chairperson: Ms L Liebenberg (UP)

-----END OF DAY-----

Session 8: Wednesday, 10 April 2019**08:00 – 10:00****Tau room****Medical Education Oral Presentations**

Time:	Topic / title:	Presenter:
08:00 - 08:12	The curious mind: A millennial student's perception of the anatomy laboratory experience	EF Hutchinson (WITS)
08:13 - 08:25	Assessment of university policies regarding ethics in teaching in a South African context	E Bruwer (UJ)
08:26 - 08:38	Knowledge and perceptions of undergraduate health sciences students towards organ donation	KA Keet (UCT)
08:39 - 08:51	An inductive approach to gauging student acceptance and understanding of evolution	C Sutherland (UP)
08:52 - 09:04	A bone of contention	HL Matthews (SPCNM)
09:05 - 09:17	Inter-university collaboration as an effective way to promote and support learning, using human material to supplement theoretical anatomy teaching	KS Mpolokeng (UCT)
09:18 - 09:30	Towards innovative teaching of Neuro-anatomy: Dural venous sinuses and cross-sections	A Konig (UP)
09:31 - 09:42	Cognitive load: what you should know for effective teaching and learning	M Loots (UP)
09:42 - 09:54	Implementation of the Anatomical Ethics and Law module at UKZN	P Pillay (UKZN)

Chairperson: Mrs G Venter (UP)**AGM: Wednesday, 10 April 2019****10:30 – 12:30****Tau room****National affiliations:**

SMU: Sefako Makgatho Health Science University
 SUN: Stellenbosch University
 UCT: University of Cape Town
 UFS: University of the Free State
 UJ: University of Johannesburg
 UWC: University of Western Cape

UKZN: University of KwaZulu-Natal
 UP: University of Pretoria
 WITS: University of the Witwatersrand
 WSU: Walter Sisulu University
 UL: University of Limpopo
 NWU: North West University

International affiliations:

DUB: Dubai (Valient Clinic, Houston Methodist Group)
 AUS: University of Queensland, Australia
 UNAM: University of Namibia
 SPCNM: South Pacific College of Natural Medicine, New Zealand
 BUI: Bowen University, Nigeria
 KMC: Kasturba Medical College, India
 UNIZIK: Nnamdi Azikiwe University, Nigeria
 NDU: Niger Delta University, Nigeria