

***Curriculum Vitae* of Kerri Keet**

Career Goals

Well-rounded academic with reflective teaching practice, growth of postgraduate and young anatomists, national and international research collaborations in clinical anatomy, bioethics and education, collaborative social outreach projects and serving on academic and editorial committees.

Academic Status

Senior Lecturer, Division of Clinical Anatomy, Department of Biomedical Sciences, Faculty of Medicine and Health Sciences, Stellenbosch University, South Africa.

Research Interests

Anatomical variations and their clinical relevance in the South African context. Anatomical ethics and postgraduate education.

Employment History

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| 2019 – 2022 | Lecturer in Division of Clinical Anatomy, Department of Biomedical Sciences, Faculty of Medicine and Health Sciences, Stellenbosch University, South Africa. |
| 2015 – 2018 | Full-time Assistant Lecturer in Division of Anatomy and Biological Anthropology, Department of Human Biology, University of Cape Town. |
| 2014 | Part-time Assistant Lecturer in Division of Anatomy and Biological Anthropology, Department of Human Biology, University of Cape Town. |
| 2011 – 2013 | Teaching Assistant, Department of Human Biology, University of Cape Town. |

Tertiary Educational Qualifications

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| 2013 | MSc (Med) in Anatomy at University of Cape Town, South Africa.
Title: An investigation of the brachial plexus and surrounding |
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anatomical structures in a Southern African cadaver sample.

Supervisor: Professor Graham Louw.

- 2010 BSc (Med) Honours in Anatomy at University of Cape Town, South Africa. Title: The Gross Anatomy of the Ligamentum Arteriosum: A Cadaver Study. Supervisors: Dr Rachel Alexander and Dr Geney Gunston (Degree awarded First Class).
- 2009 BSc in Physiology and Genetics at University of Cape Town, South Africa (Degree with Distinction).

Field of Study, Major Research Topics and Scientific Interests

- Morphology of the aortic arch and its branches in a South African sample: implications for endovascular surgeons (PhD topic).
- The anatomy and function of iliocapsularis muscle.
- Anatomical variations with clinical relevance (various topics offered to postgraduate students, including but not limited to vascular anatomy).
- Ethical considerations related to body donation and the use of bodies in teaching and research.

Honours, Awards, Prizes, and Scientific, Teaching and Scholarly Recognition

- 2021 The Anatomy Festival 2021, Federative International Program for Anatomy Education, International Federation of Association of Anatomists: Scientific Prize.
- 2018 Department of Human Biology Research Day, University of Cape Town: 1st Prize for Best Poster.
- 2018 Anatomical Society of Southern Africa conference: 1st runner up of the Best Young Presenter award.
- 2008 Class Medal; Dean's Merit List; Science Faculty Scholarship, University of Cape Town.
- Invitation to join Golden Key Society.

Scholarships and Bursaries received

- 2012 National Research Foundation (NRF) Innovation Masters Scholarship.
- 2011 National Research Foundation (NRF) Innovation Masters Scholarship.
- 2010 Benfara Scholarship; University of Cape Town Council Honours Need Scholarship.
- 2009 Science Faculty Scholarship, University of Cape Town.

Grants and Research Funding received

- 2024 Rehana Malgas-Enus ECAD award, Stellenbosch University (R10 000).
- 2023 Rehana Malgas-Enus ECAD award, Stellenbosch University (R20 000). Used for lecturer replacement.
- 2023 Publication incentive, Stellenbosch University (R2000)
- 2020 – current Early career academic (ECAD) program, Stellenbosch University (R15 000 annually).
- 2020 Stellenbosch University Equipment Grant with Ms J Correia (Ultrasound machine).
- 2019 Stellenbosch University travel grant (R5000).
- 2019 Stellenbosch University Equipment Grant with Dr RG Venter (3D scanner).
- 2018 University Research Committee (URC) travel grant, University of Cape Town (R11 000).
- 2017 University of Cape Town Teaching Grant with Dr P Steyn and Dr A Abrahams (virtual reality equipment).

Grants and Research Funding applied for

- 2023 Harry Crossley Foundation Funding (R33 135). Primary investigator
- 2022 Fund for Innovation and Research into Learning and Teaching, Stellenbosch University (R15 000). Primary investigator.

Membership of National and International Scientific and Teaching Societies, Associations, Bodies and Committees

2020 – current	The South African Association of Health Educationalists.
2019 – current	Stellenbosch University Anatomy Society.
2018 – current	International Evidence-Based Anatomy Working Group.
2017 – current	Anatomical Society of Southern Africa.
2017 – 2018	International Society of Plastination.
2017 – 2018	Southern African Neuroscience Society.

Membership of Institutional Scientific and Teaching Committees and Academic Bodies

2022 – current	Doctoral committee of Ms Damilola Ayeni (Health Research Ethics Committee representative).
2020 – 2023	Health Research Ethics Committee, Stellenbosch University.
2021 – current	Division of Clinical Anatomy Postgraduate Selection Committee, Stellenbosch University.
2020 – 2021	Division of Clinical Anatomy Funding forum, Stellenbosch University.
2019 – current	MBCHB 1 Form and Function module renewed curriculum
2019 – current	Division of Clinical Anatomy Community engagement committee, Stellenbosch University.
2017 – 2018	Department of Human Biology space committee, University of Cape Town.
2017 – 2018	Department of Human Biology water saving committee, University of Cape Town.

Research Outputs

Papers Published

Munro S, Mac Dermott K, **Keet KA**. The anatomical variations of the cubital tunnel in a South African body donor sample. *Surgical and Radiologic Anatomy*. Accepted 12 February 2024. Impact Factor 1.264.

Keet KA, Satyapal K, Pillay P, Billings B, Kramer B. 2023. Profiting from public dissection: A new era of unethical practices by non-anatomists. *Anatomical Science Education* 16(3): 384-390. DOI: 10.1002/ase.2256. (first author). Impact Factor 6.652.

Keet KA, Gunston G, Alexander RL. 2022. A systematic classification of the left-sided aortic arch variants based on cadaver studies' prevalence: response. *Surgical and Radiologic Anatomy* 44:1251-1252. DOI: 10.1007/s00276-022-03014-6. (corresponding author). Impact Factor 1.264.

Keet KA, Lunn-Collier R, Mac Dermott K, Layman-Lemphane J. 2022. *Teaching and Learning Anatomy Online in South Africa during the COVID-19 pandemic*. 8th International Conference on Higher Education Advances (HEAd'22). 14 – 17 June, online. DOI: <http://dx.doi.org/10.4995/HEAD22.2022.15652> (full paper published).

Mac Dermott, KA, Venter RG, Bergsteedt BJ, Pękala PA, Henry BM, **Keet KA**. 2022. Anatomical features of the iliocapsularis muscle in a cadaver cohort. *Surgical and Radiologic Anatomy* 44(4):599-608. DOI: 10.1007/s00276-022-02905-y. Impact Factor 1.264. Citations: 1.

Keet, KA, Cheruiyot I, Venter RG, Henry BM, Tomaszewski KA, Pękala PA. 2021. A systematic review and meta-analysis of iliocapsularis muscle: an important landmark in orthopedic surgery. *Surgical and Radiologic Anatomy* 43(12):1999-2007. DOI: 10.1007/s00276-021-02815-5. (corresponding author). Impact Factor 1.264. Citations: 3.

Keet KA, Baatjes KJ, Venter RG, Wessels Q, Correia JC. 2021. Development of a virtual journal club in Anatomy: a responsive pandemic pedagogy. *Medical Science Educator* 31(4):1411-1418. DOI: 10.1007/s40670-021-01325-8. (corresponding author). Impact Factor 0.668. Citations: 8.

Els K, Warton C, Gunston G, Henry BM, **Keet, KA**. 2021. Structural variations in the sulcogyral pattern of the orbitofrontal cortex. *Translational Research in Anatomy* 23: 100121. DOI: 10.1016/j.tria.2021.100121 (corresponding author). Impact Factor 0.47.

Bruce L, Gunston G, Myburgh A, **Keet KA**, Augoustides JG, Pulton DA, Thalappillil R, Rong LQ, Garner C, Fernando RJ. 2021. The anatomy of the Eustachian valve and its relationship to the fossa ovalis in a South African cadaver sample: implications for transcatheter closure of patent foramen ovale. *Journal of Cardiothoracic and Vascular Anesthesia* 35:1215-1224. Impact Factor 2.258. Citations: 6.

Wong LM, Cheruiyot I, De Oliveira MHS, **Keet KA**, Tomaszewski KA, Walocha JA, Tubbs RS, Henry BM. 2020. Congenital anomalies of the tracheobronchial tree: a meta-analysis and clinical considerations. *The Annals of Thoracic Surgery* 112(1):315-325. DOI: 10.1016/j.athoracsur.2020.08.060. Impact Factor 3.369, Citations: 4.

Asmall T, Gunston G, Venter RG, Henry BM, **Keet KA**. 2020. Surgical anatomy of the sciatic nerve and its relationship to the piriformis muscle with a description of a new variant. *South African Orthopaedic Journal* 19(1): 33-39 (corresponding author). Impact Factor 0.0169. Citations: 5.

Keet KA, Henry BM, Tubbs RS. 2020. Prune-belly syndrome in Africa: An analysis and systematic review of cases, etiology, treatment, and outcomes. *Journal of Clinical Urology* 14(5). DOI: 10.1177/2051415820903196 (corresponding author). Impact Factor 0.23, Citations: 5.

Wahl L, Lockwood JD, **Keet KA**, Henry BM, Gielecki J, Iwanaga J, Bui CJ, Dumont AS, Tubbs RS. 2020. The inferior intercavernous sinus: an anatomical study with application to trans-sphenoidal approaches to the pituitary gland. *Clinical Neurology and Neurosurgery* 196:106000. DOI: 10.1016/j.clineuro.2020.106000. Impact Factor 1.672, Citations: 4.

Keet KA, Gunston G, Alexander R. 2019. Variations in the branching pattern of the aortic arch: an African perspective. *European Journal of Anatomy* 23(2): 91-102 (corresponding author). Impact Factor 0.29, Citations: 10.

Keet KA, Roy J, Henry BM. 2019. Reporting sex or gender in anatomical research: which is appropriate? *Clinical Anatomy* 32: 697-698. Impact Factor 1.967, Citations: 1.

Keet KA, Louw G. 2019. Position of the roots of the brachial plexus in relation to the anterior scalene: relevance in interscalene block. *Anatomy* 13(1):40-48 (corresponding author). Impact Factor 0.33, Citations: 8.

Henry BM, Cheruiyot I, Wong LM, **Keet KA**, Mutua V, Chhapola V, Tubbs RS. 2019. The bridging bronchus: a comprehensive review of a rare, potentially life-threatening congenital airway anomaly associated with cardiovascular defects. *Pediatric Pulmonology* Aug 29:1-10 doi: 10.1002/ppul.24488. Impact Factor 2.534, Citations: 6.

Keet KA, Gunston G, Alexander R. 2018. Variation in the Anatomy of the ligamentum arteriosum in a South African sample. *European Journal of Anatomy* 22(2):119-125 (corresponding author). Impact Factor 0.29, Citations: 2.

Keet KA, Louw G. 2018. Superficial location of the brachial plexus and axillary artery in relation to pectoralis minor: a case report. *South African Journal of Anesthesia and Analgesia* 24(4):114-117 <https://doi.org/10.1080/22201181.2018.1489463> (corresponding author). Impact Factor 0.15, Citations: 1.

Keet KA, Gunston G. 2018. An unusual case of three branches arising from the aortic arch: bicarotid trunk, left subclavian artery and aberrant right subclavian artery. *European Journal of Anatomy* 22(5):429-432 (corresponding author). Impact Factor 0.15, Citations: 3.

Keet KA. 2018. Addressing publication bias in the anatomical literature by reporting zero prevalence of bicuspid aortic valve. Letter to the Editor, *Clinical Anatomy* 31(8):1225-1226. Impact Factor 1.967.

Papers Under Review

R Lunn-Collier, LR Witbooi, KJ Baatjes, KA Keet. The Iliac and Femoral Arteries: Dimensions and Tortuosity in a South African Radiological Sample. *The European Journal of Vascular and Endovascular Surgery*. Submitted 7 December 2024.

P Mokoena, R Lunn-Collier, LR Witbooi, KJ Baatjes, KA Keet. Anatomical Analysis of the Abdominal Aorta in a South African Sample: Influence of Age and Sex. *The European Journal of Vascular and Endovascular Surgery*. Submitted 28 February 2024.

Book Chapters Published

Keet K, Kramer B. 2022. Advances in digital technology in teaching human anatomy: Ethical predicaments. Chapter 8, pages 173-191. Shapiro L, Rea PM. Biomedical Visualisation, Advances in Experimental Medicine and Biology 1388, Volume 12. Springer Nature Switzerland. DOI: /10.1007/978-3-031-10889-1_8.

Published Abstracts

P Mokoena, R Lunn-Collier, LR Witbooi, KJ Baatjes, **KA Keet**. 2023. The variation of the descending aorta morphology with age and sex in a South African sample. 30th International Student Congress of (bio) Medical Sciences (ISCOMS). [Book-of-Abstracts-ISCOMS-2023-1.pdf](#)

Keet KA, Pennel T, Scherman, J. *The diameter of commonly used peripheral blood vessels for access in minimally invasive cardiac surgery*. A selection of abstracts presented at the 46th annual conference of the Anatomical Society of Southern Africa (ASSA), 22–25 April 2018, Kloofzight Lodge and Spa, Muldersdrift, Gauteng, South Africa. Published on: <https://www.anatomysa.co.za>

Keet KA, Gunston G, Da Silva, R. *Fifty years of aortic arch research*. A selection of abstracts presented at the 46th annual conference of the Anatomical Society of Southern Africa (ASSA), 22–25 April 2018, Kloofzight Lodge and Spa, Muldersdrift, Gauteng, South Africa. Published on: <https://www.anatomysa.co.za>

Keet, KA. *The amount of shrinkage that occurs in brain specimens during the S10 plastination process*. A selection of abstracts presented at the 46th annual conference of the Anatomical Society of Southern Africa (ASSA), 22–25 April 2018, Kloofzight Lodge and Spa, Muldersdrift, Gauteng, South Africa. Published on: <https://www.anatomysa.co.za>

Keet KA. *Plastinated specimens: Do Anatomy undergraduate students prefer them to wet specimens?* A selection of abstracts presented at the 46th annual conference of the Anatomical Society of Southern Africa (ASSA), 22–25 April 2018, Kloofzight Lodge and Spa, Muldersdrift, Gauteng, South Africa. Published on: <https://www.anatomysa.co.za>

Els, K, **Keet KA**, Warton C. *A qualitative assessment of the sulci and gyri of the orbitofrontal cortex*. A selection of abstracts presented at the 46th annual conference of the

Anatomical Society of Southern Africa (ASSA), 22–25 April 2018, Kloofzicht Lodge and Spa, Muldersdrift, Gauteng, South Africa. Published on: <https://www.anatomysa.co.za>

Keet, KA. Louw GJ. *An investigation of the brachial plexus and surrounding anatomical structures in a Southern African cadaver sample.* A Selection of Abstracts Presented at the 45th Annual Conference of the Anatomical Society of Southern Africa (ASSA), 23–26 April 2017, Club Mykonos, Langebaan, Western Cape, South Africa. *Clinical Anatomy*. DOI: 10.1002/ca.23050.

Journal Covers

European Journal of Anatomy – Volume 23(2) March 2019.

Oral and Poster Presentations at International Conferences

Keet K, Mokoena P, Baatjes K, Witbooi L, Lunn-Collier R. 2023. *Descending aorta dimensions and tortuosity in a South African sample.* XXVII International Symposium on Morphological Sciences, Cape Town, 5-8 August (oral presentation, presenting author).

Lunn-Collier R, Baatjes K, Witbooi L, **Keet K.** 2023. *Iliac and femoral vessels: dimensions and tortuosity in a South African sample.* XXVII International Symposium on Morphological Sciences, Cape Town, 5-8 August (oral presentation).

Mac Dermott K, **Keet K,** Kohn T. 2023. *Histochemical properties of the iliocapsularis muscle: Are there implications for hip function?* XXVII International Symposium on Morphological Sciences, Cape Town, 5-8 August (oral presentation).

Mokoena P, Baatjes K, Witbooi L, Lunn-Collier R, **Keet KA.** 2023. The variation of the descending aorta morphology with age and sex in a South African sample. 30th International Student Congress of (bio) Medical Sciences (ISCOMS), The Netherlands, 5-8 June (poster presentation, awarded first prize)

Keet KA, Baatjes K, Venter RG, Wessels Q, Correia JC. 2022. *Virtual Journal Club in Anatomy: Perspectives of Postgraduate Students.* 20th Congress of the International Federation of Associations of Anatomists (IFAA 2022). Online. 5 – 7 August (oral presentation, presenting author).

Keet KA, Lunn-Collier R, Mac Dermott K, Layman-Lemphane J. 2022. *Teaching and Learning Anatomy Online in South Africa during the COVID-19 pandemic.* 8th International

Conference on Higher Education Advances (HEAd'22). Online. 14 – 17 June (oral presentation, presenting author).

Keet KA, Correia JC, Venter RG, Baatjes K, Wessels Q. 2021. *Pandemic Pedagogy: Transition to a virtual journal club in Anatomy*. Anatomy Connex, Federative International Program for Anatomy Education. Online. 19 November – 15 December (pre-recorded presentation, presenting author).

Mac Dermott KD, Venter RG, Bergsteedt B, **Keet KA**. 2021. *Anatomical features of the iliocapsularis muscle: a dissection study*. International Conference of Undergraduate Research. Online. 29 September (oral presentation).

Keet KA. 2020. *The ethical, legal and cultural aspects of digital information obtained from deceased human bodies*. Bakeng se Afrika Virtual Interim Meeting II. Online virtual. 12 November (oral presentation, presenting author).

Bruce L, **KA Keet**, Gunston G. 2019. *An investigation into the prevalence and variation of the persistent Eustachian valve within a South African cadaver population*. 19th Congress of the International Federation of Associations of Anatomists. London, United Kingdom. 9 – 11 August (poster presentation).

Keet KA. 2017. *What do students think about learning Anatomy from plastinated specimens at the University of Cape Town?* International Society of Plastination 12th Interim Conference on Plastination. Durban, South Africa. 2 – 7 July (poster presentation, presenting author).

Gunston G, **Keet KA**, Alexander R. 2012. *The gross Anatomy of the ligamentum arteriosum: a cadaver study*. Anatomical Society of Southern Africa 40th Annual Conference. Windhoek, Namibia. 14 – 18 April (oral presentation).

Oral and Poster Presentations at National Conferences

Munro S, Mac Dermott KD, **Keet KA**. 2023. *The anatomical variations of the cubital tunnel in a South African body donor sample*. 67th Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 30 - 31 August (poster presentation).

Nkosi T, Mac Dermott KD, **Keet KA**. 2023. *Classifying variations of the coracobrachialis muscle: a dissection study*. 67th Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 30 - 31 August (poster presentation).

Lunn-Collier R, Baatjes K, Witbooi L, **Keet KA**. 2022. *Iliac and femoral vessels: Dimensions and tortuosity in a South African sample*. World Anatomy Day, Anatomical Society of Southern Africa. (pre-recorded presentation). 13 October.

Mokoena P, Lunn-Collier R, Baatjes K, Witbooi L, **Keet KA**. 2022. Descending aorta dimensions and tortuosity in a South African sample. World Anatomy Day, Anatomical Society of Southern Africa. (pre-recorded presentation). 13 October.

Lunn-Collier R, Baatjes K, Witbooi L, **Keet KA**. 2022. *Iliac and femoral vessels: Dimensions and tortuosity in a South African sample*. 66th Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 31 August - 1 September (poster presentation).

Keet KA, Baatjes K, Venter RG, Wessels Q, Correia JC. 2022. *Student perspectives of a virtual journal club in Anatomy*. Anatomical Society of Southern Africa 49th Annual Conference. 19 - 21 April (pre-recorded presentation, presenting author).

Mac Dermott KD, Venter RG, Bergsteed B, **Keet KA**. 2022. *Anatomical features of the iliocapsularis muscle: a dissection study*. Anatomical Society of Southern Africa 49th Annual Conference. 19 - 21 April (pre-recorded presentation).

Beyers A, Venter RG, Du Toit J, Ferreira N, **Keet K**. 2022. *Development of a correction factor for Greulich-and-Pyle estimated bone age in a South African sample*. Anatomical Society of Southern Africa 49th Annual Conference. 19 - 21 April (pre-recorded presentation).

Bruce L, Gunston G, Myburgh A, **Keet KA**, Augoustides JG, Pulton DA, Thalappillil R, Rong LQ, Garner C, Fernando RJ. 2021. The anatomy of the Eustachian valve and its relationship to the fossa ovalis in a South African cadaver sample: implications for transcatheter closure of patent foramen ovale. 2021. Department of Anaesthesia and Perioperative Medicine Research Day, Faculty of Health Sciences, University of Cape Town. Cape Town, South Africa. 12 November (oral presentation).

Beyers A, Venter RG, Du Toit J, Ferreira N, **Keet K**. 2021. *The concordance between bone age and chronological age: A South African context*. Anatomical Society of Southern Africa World Anatomy Day. Online symposium. 13 October (oral presentation).

Mac Dermott KD, Venter RG, Bergsteed B, **Keet KA**. 2021. *Anatomical features of the iliocapsularis muscle: a dissection study*. Anatomical Society of Southern Africa World Anatomy Day. Online symposium. 13 October (oral presentation).

Mac Dermott KD, Venter RG, Bergsteedt B, **Keet KA**. 2021. *Anatomical features of the iliocapsularis muscle: a dissection study*. 67th Congress of the South African Orthopaedic Association, Cape Town, South Africa. 30 Aug – 2 September (oral presentation).

Baatjes KJ, Layman-Lemphane, J, **Keet K**, Ablas A, Meyer I. 2021. *Pandemic pedagogy in the research setting, the postgraduate student perspective*. 65th Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 18 and 19 August (poster presentation).

Mac Dermott KD, **Keet K**, Kohn T. 2021. *Histochemical properties of the iliocapsularis muscle: Implications for hip function*. 65th Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 18 and 19 August (poster presentation).

Beyers A, Venter RG, Du Toit J, Ferreira N, **Keet K**. 2021. *The concordance between bone age and chronological age: A South African context*. 65th Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 18 and 19 August (poster presentation).

Keet KA, Baatjes KJ, Venter RG, Wessels Q, Correia JC. 2021. *Development of a Virtual Journal Club in Clinical Anatomy: response to COVID-19 pandemic*. 65th Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 18 and 19 August (poster presentation, presenting author).

Baatjes KJ, Lemphane, J, **Keet K**, Ablas A, Meyer I. 2021. *Pandemic pedagogy in the research setting, the postgraduate student perspective*. The South African Association of Health Educationalists 2021 Virtual Meeting, 21-25 June (poster presentation).

Keet KA, RG Venter. 2021. *Iliocapsularis muscle: Anatomical description and relevance in orthopaedic surgery*. Anatomical Society of Southern Africa 48th Annual Conference. Virtual online. 19– 21 April (oral presentation, presenting author).

Keet KA, Venter RG, Baatjes, KJ, Correia JC. 2020. *Pandemic Pedagogy: Transition to a virtual journal club*. 13th Annual Scholarship of Teaching and Learning Conference, Stellenbosch University. Virtual online. 4 November (oral presentation, presenting author).

Keet KA, Henry BM, Tubbs RS. 2020. *Prune-belly syndrome in Africa: A systematic review of cases*. 64th Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 26 and 27 August (poster presentation, presenting author).

Mac Dermott KD, Venter RG, Bergsteedt B, **Keet KA**. 2020. *Anatomical features of the iliocapsularis muscle: A dissection study*. 64th Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 26 and 27 August (poster presentation).

Keet KA, Venter RG. 2019. *3D printed models of imaging data: an exciting tool for surgical planning and anatomical education*. Anatomical Society of Southern Africa 47th Annual Conference. Pilanesberg, South Africa. 7 – 10 April (oral presentation, presenting author).

Keet KA, Thomson D. 2019. *Knowledge and perceptions of undergraduate health sciences students towards organ donation*. Anatomical Society of Southern Africa 47th Annual Conference. Pilanesberg, South Africa. 7 – 10 April (oral presentation, presenting author).

Gunston G, Asmall T, **Keet KA**. 2019. *Variation in the sciatic nerve with respect to site of division, length and relationship to piriformis muscle*. Anatomical Society of Southern Africa 47th Annual Conference. Pilanesberg, South Africa. 7 – 10 April (oral presentation).

Keet KA, Venter RG. 2019. *3D printed models: an exciting addition to anatomical education*. 63rd Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 21 August (oral presentation, presenting author).

Keet KA. 2019. *Iliocapsularis: the forgotten muscle?* 63rd Annual Academic Day, Faculty of Medicine and Health Sciences. Cape Town, South Africa. 21 August (poster presentation, presenting author).

Nel P, Vermaak C, English R, Jacobs GB, Conradie-Smit, M, **Keet KA**, Towfie S, O'Connell N. 2019. *Transforming Teaching*. 12th Annual Scholarship of Teaching and Learning Conference, Stellenbosch University. Somerset West, South Africa. 30 October. (poster presentation).

Keet KA, Gunston G, Da Silva R. 2018. *50 years of aortic arch research*. Anatomical Society of Southern Africa 46th Annual Conference. Muldersdrift, South Africa. 22– 25 April (oral presentation, presenting author).

Keet KA, Pennel T, Scherman J. 2018. *The diameter of commonly used peripheral blood vessels for access in minimally invasive cardiac surgery*. Anatomical Society of Southern Africa 46th Annual Conference. Muldersdrift, South Africa. 22– 25 April (oral presentation, presenting author).

Keet KA. 2018. *Plastinated specimens – do Anatomy undergraduate students prefer them to wet specimens?* Anatomical Society of Southern Africa 46th Annual Conference.

Muldersdrift, South Africa. 22– 25 April (poster presentation, presenting author).

Keet KA. 2018. *The amount of shrinkage that occurs in brain specimens during the S10 plastination process.* Anatomical Society of Southern Africa 46th Annual Conference.

Muldersdrift, South Africa. 22– 25 April (poster presentation, presenting author).

Keet KA, Els K, Warton C. 2018. *A qualitative assessment of the sulci and gyri of the orbitofrontal cortex.* Anatomical Society of Southern Africa 46th Annual Conference.

Muldersdrift, South Africa. 22– 25 April (poster presentation, presenting author).

Keet KA. 2018. *The diameter of commonly used peripheral blood vessels for percutaneous access in cardiac surgery.* International Association of Student Surgical Societies & Southern African Student Surgical Society Symposium. Cape Town, South Africa. 11 – 15 July (oral presentation, presenting author).

Keet KA, Thomson D. 2018. *Encouraging undergraduate students to understand the clinical relevance of learning Anatomy.* 10th Annual Celebrating Health Sciences Education conference. Cape Town, South Africa. 16 August (oral presentation, presenting author).

Keet KA, Gunston G, Da Silva R. 2018. *Fifty years of research into the branching pattern of the aortic arch.* Department of Human Biology 1st Annual Research Day. Cape Town, South Africa. 12 October (poster presentation, presenting author).

Keet KA, Pennel T, Scherman J. 2018. *Diameter of the femoral-iliac vessels used in percutaneous access of the heart in cardiac surgery: a pilot study.* Department of Human Biology 1st Annual Research Day. Cape Town, South Africa. 12 October (poster presentation, presenting author).

Keet KA, Louw G. 2017. *An investigation of the brachial plexus and surrounding anatomical structures in a Southern African cadaver sample.* Anatomical Society of Southern Africa 45th Annual Conference. Cape Town, South Africa. 23 – 26 April (oral presentation, presenting author).

Keet KA. 2017. *Innovative ways of teaching Anatomy to the Intervention Programme for Medicine at the University of Cape Town.* Centre for Innovation in Learning and Teaching Annual Conference. Cape Town, South Africa. 2 Aug (oral presentation, presenting author).

Keet KA. 2017. *Innovative ways of teaching Anatomy to the Intervention Programme for Medicine at the University of Cape Town.* Celebrating Health Science Education Conference. Cape Town, South Africa. 3 Aug (oral presentation, presenting author).

Other Invited Oral Presentations (National and International)

- 2022 Road to Research panel discussion, SURGE – Tygerberg Undergraduate Research Society, Faculty of Medicine and Health Sciences, Stellenbosch University, 29 August.
- 2022 Hybrid Anatomy Journal Club, BMedSc (Hons), University of Otago, 12 September.
- 2022 Forensic Clinical Anatomy lecture, MPhil in Biomedical Forensic Science, Division of Forensic Medicine and Toxicology, Faculty of Health Sciences, University of Cape Town, 23 March.
- 2018 Hands-on Adult Transoesophageal Echocardiography Course, Department of Anesthesia and Perioperative Medicine, Groote Schuur Hospital, Cape Town, South Africa, 10 July.
- 2018 Teaching and Educating with Technology (TET), Faculty of Health Sciences, University of Cape Town, 31 May.
- 2018 Teaching and Educating with Technology (TET), Faculty of Health Sciences, University of Cape Town, 30 October.

Organisational Activities

International Conference Organisation

- 2018 – present International Symposium of Morphological Sciences 2023 conference organising committee.

National Conference Organisation

- 2017 Organising Committee for the 45th Annual Conference of the Anatomical Society of Southern Africa. Cape Town, South Africa April 23rd – 26th.

Workshop/ Research Day Organisation

- 2022 Clinical Anatomy Interest Group workshop, Anatomical Society of Southern Africa 49th Annual Conference.

- 2019 Department of Biomedical Sciences Research Day organising committee, Stellenbosch University.
- 2018 Department of Human Biology Research Day Scientific committee, University of Cape Town.

Journal Editorial Posts

- 2022 – current Associate Editor of Surgical and Radiologic Anatomy

Reviewer for Paper Manuscripts

- 2023 The accessory vascularization of the Fascia Lata tensor muscle: towards a new classification. *Surgical and Radiologic Anatomy*.
- 2022 Anatomical variation in the branching pattern of the aortic arch: a literature review. *Surgical and Radiologic Anatomy*.
- 2022 Googling “Anatomy Dissection”: Pre-pandemic, Pandemic and Current Scenario. *Surgical and Radiologic Anatomy*.
- 2022 “Rangoli Art” in Anatomy education: Students’ perception. *Surgical and Radiologic Anatomy*.
- 2021 Anatomical Study of the Thoracic Duct and its Clinical Implications in Thoracic and Pediatric Surgery, a 70 Cases Cadaveric Study. *Surgical and Radiologic Anatomy*.
- 2020 A Proposal for a New Classification of Coracobrachialis Muscle Morphology. *Clinical Anatomy*.
- 2020 A Case of Left Retro-External Iliac Artery Megaureter Associated with Additional Renal and Vascular Congenital Anomalies. *Case Reports in Urology*.
- 2020 Assessment of Morphometric Measurements of the Foramen Spinosum and its Variation in Shape, Number and Relation to Spine of Sphenoid. *Orthopedic Research and Reviews*.
- 2019 Multi-material and Multi-Colored 3D Printing of the Heart for Medical Education. *Surgical and Radiologic Anatomy*.

- 2019 Accessory Spleen in Human Fetuses: a Potentially Misdiagnosed Entity. *Surgical and Radiologic Anatomy*.
- 2019 Thoracic bifurcation of the left common carotid artery associated with rib fusion anomalies and Klippel-Feil Syndrome. *Surgical and Radiologic Anatomy*.
- 2019 Exploring the Shape and Lobation of the Right Atrial Appendage in View of their Clinical Relevance. *Surgical and Radiologic Anatomy*.
- 2019 Anatomical Variations in the Right Middle Lobe Pulmonary Vein and Right Medial Basal Segment. *Surgical and Radiologic Anatomy*.
- 2018 A Sectional Anatomy Learning Tool for Medical Students: Development and User-usage Analytics. *Surgical and Radiologic Anatomy*.
- 2018 Studying Classical Statues to Learn Surface Anatomy: The Influence of Greco-Roman Culture on Anatomy Teaching. *Surgical and Radiologic Anatomy*.
- 2018 Selective Neurotomies of the Sciatic Nerve Branches to the Hamstring Muscles: An Anatomical Study. *Surgical and Radiologic Anatomy*.
- 2018 Morphometric study of the primary ossification center of the fibular shaft in the human fetus. *Surgical and Radiologic Anatomy*.
- 2017 P45 Plastination Technique and its Application in Clinical Anatomy. *Clinical Anatomy*.

Reviewer for Conference Abstracts

- 2023 XXVII International Symposium on Morphological Sciences
2018 Department of Human Biology Research Day Scientific committee,
University of Cape Town.

Examiner for Courses, Theses and Dissertations

- 2022 MSc in Anatomy, External examiner for S Ntuli. Title: A morphological and histological analysis of vascular conduit options used for coronary artery bypass grafting - a South African perspective.

2021 MSc in Anatomy Internal Examiner for Luke-John Daniels. Title: Defining a method to predict mouth morphology in edentulous skulls.

Evaluator for Conference Presentations

2023 XXVII International Symposium on Morphological Sciences, Cape Town, 5-8 August. Hanno Boon Oral Presentation Award.

2022 Anatomical Society of Southern Africa 48th Annual Conference. Virtual online. 19– 21 April. Willie Vorster Poster Award.

2021 Anatomical Society of Southern Africa 48th Annual Conference. Virtual online. 19– 21 April. Willie Vorster Poster Award.

2019 Anatomical Society of Southern Africa 47th Annual Conference. Pilanesberg, South Africa. 7 – 10 April. Best first time poster presentation.

2018 Anatomical Society of Southern Africa 46th Annual Conference. Muldersdrift, South Africa. 22– 25 April. Best presentation in the medical education session.

Conference Session Chairing

2023 Clinical Anatomy workshop, Introduction of keynote speaker at Clinical Anatomy oral presentation session 1, Clinical Anatomy oral presentation session 2. XXVII International Symposium on Morphological Sciences, Cape Town, 5-8 August

2022 Session 5c. Health Sciences Education (II). 8th International Conference on Higher Education Advances (HEAd'22).

2019 Oral presentation session. Department of Biomedical Sciences Research Day, Stellenbosch University.

2018 Oral presentation session. Department of Human Biology 1st Annual Research Day, University of Cape Town.

Media Coverage

Interview with Greg Doyle. *Vula from a faculty member's perspective*. Fhs Edu Channel, YouTube, published 18 December 2018 (<https://www.youtube.com/watch?v=Hc6DFJmodHE>).

Early Career Academics, Stellenbosch University, published 25th July 2022
(<https://sites.google.com/view/ecads/ecad/ms-kerri-keet?authuser=0>)

Current Postgraduate Student Supervision and Co-supervision

- January 2024 – current BSc (Honours) in Clinical Anatomy (Stellenbosch University)
– Elsje de Villiers: The anatomical variations of the deep femoral artery and its branches in a South African sample. Primary supervisor.
- January 2024 – current BSc (Honours) in Morphological Sciences (Stellenbosch University) – Morgan van Greunen: The anatomical variation of the plantaris muscle and tendon in a South African dissection study. Primary supervisor.
- January 2022 – current MSc in Applied Anatomy (University of Cape Town) – Luthando Swaai: The role of anatomical variants in perioperative ulnar neuropathy leading to medicolegal cases in South Africa. Co-supervised with Ms Jeshika Luckrajh and Prof Geney Gunston.

Supervision and Co-supervision of Completed Postgraduate Degrees

- BSc (Honours) in Clinical Anatomy (Stellenbosch University) – Sophie Munro: The anatomical variations of the cubital tunnel in a South African body donor sample. Primary supervisor. Completed December 2023. Primary supervisor. Co-supervisor: Kerryn Mac Dermott.
- BSc (Honours) in Morphological Sciences (Stellenbosch University) - Thembe'lihle Nkosi: Classifying variations of the coracobrachialis muscle: a dissection study. Completed December 2023. Primary supervisor. Co-supervisor: Kerryn Mac Dermott.
- MSc in Clinical Anatomy (Stellenbosch University) – Kerryn Mac Dermott: Histochemical properties of the iliocapsularis muscle: implications for hip functions. Completed March 2023. Primary supervisor: Ms K Keet. Co-supervisor: Prof Tertius Kohn.
- MSc in Clinical Anatomy (Stellenbosch University) – Robyn Lynn-Collier: Iliac and femoral vessels: dimensions and tortuosity in a South African population.

Completed March 2023. Primary supervisor: Ms K Keet. Co-supervisor: Prof Karin Baatjes.

BSc (Honours) in Morphological Sciences (Stellenbosch University) – Jaden Fillis:
Variations in the coronary sinus and venous drainage of the heart in the context of retrograde cardioplegia. Completed November 2022.
Primary supervisor. Co-supervisor: Kerryn Mac Dermott.

BSc (Honours) in Morphological Sciences (Stellenbosch University) – Pheladi Mokoena:
Abdominal aorta dimensions and tortuosity in a South African sample. Completed November 2022. Primary supervisor. Co-supervisor: Robyn Lunn-Collier

BSc (Honours) in Clinical Anatomy (Stellenbosch University) – Anna Beyers: The concordance between estimated bone age and chronological age in a paediatric South African sample. Completed November 2021. Primary supervisor. Co-supervisor: Dr Rudolph Venter.

BSc (Honours) in Applied Anatomy (University of Cape Town) – Carly Velcich: Anatomical variations of the arterial pattern in the upper limb in a cadaver sample – A South African perspective. Completed December 2021. Co-supervised with Prof Geney Gunston.

BSc (Honours) in Clinical Anatomy (Stellenbosch University) - Kerryn Mac Dermott:
Anatomical description of the iliocapsularis muscle. Completed November 2020. Primary supervisor.

BSc (Honours) in Anatomy (University of Cape Town) - Taherah Asmall: Variation of the Sciatic Nerve in relation to the Piriformis muscle. Completed November 2017. Co-supervised with Prof Geney Gunston.

BSc (Honours) in Anatomy (University of Cape Town) - Louren Bruce: Variation in the persistent Eustachian valve. Completed November 2017. Co-supervised with Prof Geney Gunston.

BSc (Honours) in Anatomy (University of Cape Town) - Krisna Els: The orbitofrontal cortex in the cadaver population in the Department of Human Biology at the University of Cape Town. Completed November 2017. Primary Supervisor.

Teaching Activities

2019 – current

**Full-time lecturer, Division of Clinical Anatomy,
Department of Biomedical Sciences, Stellenbosch
University, duties including:**

Undergraduate:

- Designing and delivering anatomy lectures and practicals in urogenital system module to MBChB (2nd year), Physiotherapy (1st and 2nd year, until 2022), Occupational therapy (2nd year, until 2022), Nursing and Midwifery (1st year, until 2022), Dietetics (1st year, until 2022), and BSc in Human Life Sciences (3rd year).
- Designing and delivering anatomy lectures and practicals in respiratory module to MBChB (2nd year), Physiotherapy (1st, until 2021), Occupational therapy (2nd year, until 2021), Nursing and Midwifery (1st year, until 2021), Dietetics (1st year, until 2021), and BSc in Human Life Sciences (2nd year).
- Designing and delivering embryology lectures in the urogenital system to MBChB (1st year, since 2022) and BSc Human Life Sciences (3rd year).
- Dissection practicals for MBChB (1st, 2nd and 3rd year, whole body) and BSc in Human Life Sciences (respiratory and urogenital systems).
- Assessment design, administration and marking for MBChB (1st and 2nd year), Physiotherapy (1st and 2nd year), Occupational therapy (1st and 2nd year), Nursing and Midwifery (1st year), Dietetics (1st year), and BSc in Human Life Sciences (2nd and 3rd year).
- Designing and delivering online based learning for blended (hybrid) learning and fully online modules during the COVID-19 pandemic for MBChB (2nd year), Physiotherapy (1st and 2nd year), Occupational therapy (1st and 2nd year), Nursing and Midwifery (1st year), Dietetics (1st year), and BSc in Human Life Sciences (2nd and 3rd year).
- Curriculum development and renewal in MBChB (Form and Function module) and Physiotherapy programmes. Responsible for the Urogenital and Respiratory anatomy content renewal.

Postgraduate:

- Designing and delivering the Legal and Ethical Aspects of Anatomy module to BSc (Honours) course.
- Facilitating the Features of Sciences module to BSc (Honours) course.
- Co-teaching the Clinical and Surgical Anatomy module to BSc (Hons) course (since 2021).
- Facilitation of journal club (until 2023 in which Features of Science replaced the journal club)

2015 – 2018 **Full-time Assistant Lecturer in Anatomy, Department of Human Biology, University of Cape Town, duties including:**

- Designing and delivering lectures in whole body anatomy, neuroanatomy, and embryology to undergraduate and postgraduate courses (MBChB 1st, 2nd and 3rd year, Allied Health Sciences 1st and 2nd year - Physiotherapy, Occupational therapy, Speech-language pathology and Audiology, BSc in Anatomy and Physiology, BSc (Honours) in Applied Anatomy and MPhil in Forensic Science).
- Planning, setting up, coordinating, and running practical sessions, including dissections for MBChB 1st, 2nd and 3rd year, Allied Health Sciences 1st and 2nd year - Physiotherapy, and Occupational therapy, and MPhil in Forensic Science.
- Assessment design, administration and marking (MBChB years 1st, 2nd and 3rd year, Allied Health Sciences 1st and 2nd year - Physiotherapy, Occupational therapy, Speech-language pathology and Audiology, BSc (Honours) and MPhil in Forensic Science).
- Examination of final BSc (Hons) Applied Anatomy research reports.
- Designing online based learning for distance-learning students (MPhil in Forensic Science).
- Curriculum development in the Intervention Programme (MBChB 1st year).
- Supervision of postgraduate students (BSc Honours).

- 2014 **Part-time Assistant Lecturer in Anatomy, Department of Human Biology, University of Cape Town, duties including:**
- Designing and delivering lectures in Anatomy to the Intervention Programme in MBChB 1st year.
 - Planning, setting up, coordinating, and running anatomy practical sessions for the Intervention Program in MBChB 1st year.
 - Demonstrating at dissection practicals for MBChB (2nd and 3rd year) and Allied Health Sciences (1st and 2nd year - Physiotherapy and Occupational therapy).
 - Designing extended matching items and multiple-choice assessment questions.
- 2011 – 2013 **Teaching Assistant, Department of Human Biology, University of Cape Town, duties including:**
- Demonstrating at practical sessions for MBChB (1st and 2nd year), and Allied Health Sciences (1st and 2nd year - Physiotherapy and Occupational therapy), including whole body dissection.
 - Dissection of cadaveric specimens for plastination.
 - Designing extended matching items and multiple-choice assessment questions.

Selected Collaborations

National

- | | |
|----------------|--|
| 2021 – current | Beverley Kramer (President of the International Federation of Association of Anatomists, School of Anatomical Sciences, University of Witwatersrand) – co-author on book chapter. |
| 2021 – current | Carol Hartman (Unit for Undergraduate Medical Education), Lelika Lazarus (Discipline of Clinical Anatomy, University of KwaZulu Natal), Adele Du Plessis (School of Medicine, University of Namibia) – the impact of COVID-19 on anatomy teaching in South Africa. |

- 2020 – current Tertius Kohn (The Myolab at the University of the Western Cape, South Africa) – iliocapsularis muscle research.
- 2020 – current Karin Baatjes (Division of Surgery, Tygerberg Hospital, South Africa) – clinical anatomy and medical education research.
- 2019 – current Rudolph Venter (Division of Orthopaedic Surgery, Tygerberg Hospital, South Africa) – 3D printing and technology.
- 2017 – 2018 Timothy Pennel and Jacques Scherman (Division of Cardiothoracic Surgery, Groote Schuur, South Africa) – anatomical features of blood vessels for endovascular surgery.
- 2016 – current Geney Gunston (Division of Clinical Anatomy and Biological Anthropology, University of Cape Town, South Africa) – clinical anatomy and postgraduate student research.

International

- 2021 – current Quenton Wessels (Department of Anatomy, School of Medicine, University of Namibia, Namibia)
- 2019 – 2022 Bakeng se Afrika (international multi-center including the University of Bordeaux, Coimbra University, KU Leuven, University of Pretoria, Sefako Makgatho University, NECSA - co-funded by the Erasmus+ Programme of the European Union) – digital repository of skeletal remains.
- 2019 Isaac Cheruiyot (Department of Human Anatomy, University of Nairobi, Kenya) – meta-analysis research.
- 2018 – 2020 Brandon Michael Henry (Cincinnati Children’s Hospital, United States of America) – systematic reviews.

Community Service, Outreach Projects and Membership of Community and Cultural Societies and Committees

- 2023 Participation in Heart to Heart Staff Fun Run/Walk, Stellenbosch University, 27 September
- 2023 Participation in Crazy Socks for Docs, 2 June 2023
- 2023 Participation in National Slipper day, 5 May 2023

2023	Donations for Departmental employee (house fire), January
2023	Donations to the Animal Welfare Society Stellenbosch, 14 February
2023	Mandela Day: visit to Ward G6 (Pediatric Orthopaedic, Tygerberg Hospital), 18 July
2022	Mandela Day: visit to Ward G6 (Pediatric Orthopaedic, Tygerberg Hospital), 18 July
2022	Animal Anti-Cruelty League volunteer.
2021	Sandwich drive, Ladles of Love, Stellenbosch University.
2021 – current	Ethics and Professionalism in Anatomy member (international)
2020	Virtual outreach activities (creation of video for Mandela Day for the Division of Clinical Anatomy’s social media pages).
2020	Department of Biomedical Sciences Job Shadow Programme planning (hosting cancelled due to COVID-19).
2019	Voorbrug Secondary School, Delft, Cape Town outreach visit (Stellenbosch University) – good health education presentation and discussion, Grade 11.
2018	Science in our Schools host at University of Cape Town (hosted two high school pupils from Grade 9 for one day).

Administrative, Leadership and Management Skills and Activities

2021 – current	Clinical Anatomy Interest Group Representative, Anatomical Society of Southern Africa.
2020 – current	Anatomical Society of Southern Africa Council member.
2023 – current	MSc (Biomedical Engineering) Introduction to Anatomy module convenor.
2022 – current	MBCHB 1 Form and Function section coordinator.
2022 – current	Chairperson of Division of Clinical Anatomy Community engagement committee
2021 – current	BSc (Honours) in Clinical Anatomy course coordinator, Stellenbosch University.
2021 – 2022	Principle Investigator of the impact of COVID-19 on anatomy teaching and learning in South Africa project.

- 2020 – 2022 Division of Clinical Anatomy Journal club coordinator.
- 2020 – 2022 Principle Investigator of virtual journal club research project.
- 2018 Acting convenor of Speech – Language Pathology and Audiology (1st year), University of Cape Town.
- 2018 Updation of body donation information leaflet and informed consent form, Department of Human Biology, University of Cape Town.

Sabbaticals and visits to local and international institutions

- 2023 Visit to the Anatomy departments at the University of Witwatersrand, University of Pretoria, and University of Johannesburg (17-20 October).
- 2019 – current. Meetings with researchers at University of Cape Town and University of Western Cape.

Anatomy Specific skills: Plastination

- 2016 – 2018 Assisted in the plastination laboratory, University of Cape Town.
- Knowledge and practical application of the S10, S15, E12 and P40 plastination procedures as well as the chemicals and equipment required. Competent in silicone and latex dye injection of blood vessels.

Health and Safety

- 2023 - current Safety officer in the Division of Clinical Anatomy (Basic First Aid and Fire Fighting)

Extracurricular Activities

Hiking, trail running, scuba and free diving, underwater photography, family, pets, reading, writing, craft projects.