



# Dr. Gayathri Pandurangam

Assistant Professor - Anatomy

## Personal Data

Nationality | Indian

Date of Birth | 11<sup>th</sup> July 1982

Department | Anatomy

Email | [gppandurangam@iau.edu.sa](mailto:gppandurangam@iau.edu.sa)

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## Language Proficiency

Language	Read	Write	Speak
Arabic	-	-	-
English	Excellent	Excellent	Excellent
Hindi	Excellent	Excellent	Excellent
Tamil	Excellent	Excellent	Excellent
Kannada	Excellent	Excellent	Excellent
Telugu	Excellent	Excellent	Excellent

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Address	Place of Issue
Jun 2014	Doctor of Medicine (MD) Medical Anatomy	India	Kamineni Institute of Medical Sciences, Narketpally. Dr. NTRUHS, Vijayawada, India
Jun 2005	Bachelor of Medicine and Bachelor of Surgery (MBBS)	India	M.S.Ramiah Medical College Rajiv Gandhi University of Medical sciences Bangalore, India



PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

MD	Study of Correlation between Stature and Length of Fingers  DISSERTATION SUBMITTED TO THE DR. NTR. UNIVERSITY OF HEALTH SCIENCES, VIJAYAWADA  FOR AWARD OF POST GRADUATE DEGREE IN M.D ANATOMY
Professional Fellowship in University Teaching & Learning (2024)	Student Preferences in Learning Anatomy Education Plastinated Specimens and Plastic Models

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant professor	Department of Respiratory care, College of applied medical sciences in Jubail, Imam Abdul Rahman bin Faisal University, Kingdom of Saudi Arabia	Dec 2018-till date
Assistant professor	Department of Medical Anatomy, Kamineni Academy of Medical Sciences and Research center, LB Nagar, Hyderabad, Telangana state, India	Aug 2015- Dec 2018
Senior resident	Department of Medical Anatomy, Gandhi medical College, Secunderabad, Telangana state, India	Apr 2014- Jul 2014
Junior resident/ Postgraduate	Department of Medical Anatomy, Kamineni institute of Medical sciences, Narketpally, Telangana state, India	May 2011- May 2014
Internship	M.S.Ramiah Medical College Rajiv Gandhi University of Medical sciences, Bangalore, India	June 2004-June 2005



## Scientific Achievements

### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Gayathri Pandurangam, Swathi Gurajala	Pedagogical Strategies in Medical Anatomy: A Comprehensive Review	National journal of clinical Anatomy - December 2023
2	Karthick, Fazil, Manoj Goyal, Balu Kamaraj, Gayathri Pandurangam,	Integrated RNA-sequencing and network analysis approach to identify the Hub genes and vital pathways associated with gastric cancer	Journal of Pharmacy and Pharmacognosy Research- October 2023
3	Gayathri Pandurangam, Swathi Gurajala	Infection Control Practices in Cadaveric Dissection - Current Knowledge and Future Perspectives: A Review	Pakistan Heart Journal - 2023
4	Gayathri Pandurangam, D.Naga Jyothi, S. Saritha,	Renal Vasculature: Wide Spectrum Of Anatomical Variations With Embryological Background And Focus On Surgeon's Point-A Cadaveric Study	Journal of Pharmaceutical negative results-Dec 2022
5	Gayathri Pandurangam, D.Naga Jyothi, S. Saritha, K.Kshitija	HISTOGENESIS RESEARCH OF LUNG IN HUMAN FOETUSES IN DIFFERENT WEEKS OF GESTATION A LIGHT MICROSCOPIC STUDY	International Journal of Academic Medicine and Pharmacy-Dec 2022
6	Gayathri Pandurangam, D.Naga Jyothi, Asra Anjum, S. Saritha,	Case series of cranial and spinal dysraphism	National journal of clinical Anatomy -April 2022
7	Gayathri Pandurangam, D.Naga Jyothi, Asra Anjum, S. Saritha,	Anatomical organization of aortic archvariation with embryo logical basis and clinical application	International Journal of Anatomy and Research, Int J Anat Res- March 2021
8	Asra Anjum, GayathriPandurangam, SupriyaGarapati, Naveen Bandarupalli, Hajera Rabbani, Divya P	Morphology and morphometric studyof occipital condyles	International Journal of Anatomy and Research, Int J Anat Res –March 2021
9	D. NagaJyothi, , S. Saritha, N. Hima Bindu, T. V. Ramani, Gayatri. P	Study of incidence of supra trochlearforamen in humerii and its surgical and orthopedic significance inTelangana region	Indian Journal of Clinical Anatomy and Physiology, January-March, 2017;4(1):16-19



10	Usha Rani Vanagondi, Saritha. S, Jwalaram Kumar Chaluvadi, Gayathri. P, Nagajyothi. D	Comprehensive study of Foetal cases of Sirenomelia Sequence with their Embryological Correlations	Journal of Medical Science And clinical Research is an international - 2016
11	S.Saritha, Dr Usha rani, Dr. Gayathri & Dr Peter3, Mrs Asra Anjum, Mrs Himabindu.N	A Spectrum of Morphological Variations in the human liver lobes and its Clinical importance; a Cadaveric Study	Journal of Medical Science And clinical Research is an international - 2016
12	Ramani T.V, Dr. D. Nagajyothi, Dr S. Saritha, Dr. Gayathri. P, M. Yesender, Mrs. Asra Anjum	Histogenic Study of Human Foetal Endocrine Pancreas	IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) - 2015
13	Naga Jyothi, T. V. Ramani, S. Saritha, Gayathri. P, B. Sadananda Rao, Asra Anjum	Cadaveric Study of Variations In Branching Pattern Of Splenic Artery	International Journal of Anatomy and Research, Int J Anat Res 2015
14	Dr. Gayathri. P, Dr.S.Saritha, Dr D. Nagajyothi, Dr T.V.Raman, Mrs	A fetal study of Craniorachischisis, with emphasis on prenatal diagnosis and prevention	Journal of Medical Science And clinical Research is an international - 2015
15	Gayathri. P, S.Saritha, T.V.Ramani, D. Nagajyothi, N.Himabindu, Asra Anjum	A Study on Morphological Variations of Fissurest lobes in Human cadaveric lungs surgical implications in Telangana Zone	International Journal of Anatomy and Research, Int Journal Anat Res 2016
16	Himabindu. N, Asra Anjum, S.Saritha, Ramani, D. Nagajyothi, P. Gayathri	Comprehensive study of neural tube defects in 1000 fetuses with clinical spectrum"	International Journal of Anatomy and Research, Int J Anat Res 2015
17	Suseelamma. D, Gayathri.P, Deepthi. S, Chandra mohan. M, Uday Kumar M, Amarnath	Study of Correlation between Stature and Length of Fingers"	Scholars Journal of Applied Medical Sciences (SJAMS) 2014



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## Other Publications

#	Other Publications (Books/Chapter)
1	<b>Highlights on Medicine and Medical Research</b> , Book Chapter "A Fetal study of Craniorachischisis, with emphasis on prenatal diagnosis and prevention" (Accepted for publication)

## Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1.	Dr. Gayathri, Dr. Saritha	A Study on Morphological Variations of Fissures lobes in Human cadaveric lungs- surgical implications in Telangana Zone"	Apollo Institute of Medical Sciences & Research, Hyderabad Telangana - July 2017

## Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Dr. Gayathri Dr.Saritha	A Study on Morphological Variations of Fissures lobes in Human cadaveric lungs surgical implicafions in Telangana Zone	December 2016
2	Dr. Gayathri Dr. Anil Sherke	Study of Correlation between Stature and Length of Fingers"	January 2014



## Current Researches

#	Research Title	Name of Investigator(s)
1.	Comprehensive study of neural tube defects in foetuses with clinical spectrum	Dr. Gayathri Dr.Saritha
2.	A Comparative Study of Plastinated Specimens and Plastic Models: Performance, Outcomes and Student Preferences in Anatomy Education for Allied Health Students	Dr.Gayath Dr.Doaa, Dr,Shoug, Dr.Swathi, Dr.Saqlain

## Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Anatomy state conference 16th Regional Society of Anatomists Meet -	Apollo Institute of Medical Sciences & Research, Hyderabad Telangana - July 2017	Paper presentation & attendee
2	13th Regional Society of Anatomists Meet – State Anatomy Conference-	Osmania medical college, Hyderabad 2014	Attendee
3	59th NATCON of Anatomical Society of India	, Sri Aurobindo Medical College, Indore, December 2011	Attendee
4	CME on “Brainstem”	Kamineni Academy of Medical Sciences & Research Centre - May' 2017	Organizing committee
5	Developing Core competencies in Teaching and learning for faculty members workshop	Deanship of academic development, IAU November 22-25,2020 Attendee	Attendee
6	Why Editors' Are Rejecting My Research Paper	Deanship of library affairs , IAU, November 26 2019	Attendee
7	21st Century Skills and Requirement of Economic Growth and Labor Market"	Deanship of academic development, IAU Feb 1 <sup>st</sup> 2021	Attendee
8	Preventing Faculty Burnout: Recover the Joy of Teaching	Deanship of academic development, IAU Jan 21 <sup>st</sup> 2021	Attendee
9	Creative and Active Teaching Strategies	Deanship of academic development, IAU Nov 26, 2020	Attendee
10	Alternative & Effective Assessment Methods (Performance Assessment)	Deanship of academic development, IAU Dec 15 , 2020	Attendee
11	Completed basic course workshop in medical education	Kamineni Academy of Medical Sciences & Research Centre - May' 2017	Attendee



## Membership of Scientific and Professional Societies and Organizations

- Life Member of Regional society of Anatomists, Andhra Pradesh and Telangana

## Teaching Activities

### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Anatomy (BSc NT, BSc RT, BSc AT)	ANAT (213R)	1 lecture (2hrs) for each program per week 2 labs (each 2hrs) for each program per week
2	NeuroAnatomy (BSc NT)	ANAT 224	1 lecture (2hrs) and 2 labs (each 2 hrs.) per week
3	Respiratory Anatomy & Physiology (BSc RT)	RT 221R	1 lecture (2hrs) and 2 labs (each 2 hrs.) per week for 4 wee
3	Medical Anatomy (MBBS )	-	1-2 lectures (1hr each) and 2 histology labs(each 2 hrs.) per week, 6 Dissection class per week (each 2hours) 1 Osteology class per week (2hrs each) per
4	Medical Anatomy (BSc Nursing )	-	1 lecture (1hr) every week
5	Medical Anatomy (BSc MLT)	-	1 lecture (1hr)

### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)



**Anatomy -ANAT 213R** . This course offers a basic understanding the basic anatomical terms, describing the gross structure of the different organs and their major anatomical features and relations. The course will cover knowledge about the anatomy of the different body systems and their related functions and disorders.

**Respiratory Anatomy & Physiology -RT 221R** This course provides background, coherent knowledge and concepts of respiratory system anatomy and cardiopulmonary physiology that students require to progress in the comprehensive curriculum of respiratory care. Identify the anatomical structure and different components of the respiratory and cardiac systems.

**Neuroanatomy -ANAT 224** - This course offers a basic understanding of the anatomical structure of the different parts of the nervous system as well as the anatomical basis of nervous system disorders. It also provides basic principles for the understanding of the relation between the anatomy of the nervous system and its disorders. The course will cover knowledge about the anatomy of the skull and vertebral column, development and abnormalities of the CNS in addition to the anatomy and blood supply of the different parts of CNS. It also describes the gross structure of the eye and ear as organs of special senses, as well as cranial nerves and innervation of the upper and lower limbs.

**Medical Anatomy- MBBS** This course describes human anatomy exposes the structures of the body and pursue their related disposition by dissections. **Living Anatomy and Radiological Anatomy** with improved imaging techniques (X- ray, CT Scan, MRI etc.) applies the knowledge from dissection of dead bodies to the living individuals, which has become important for clinical studies. **Embryology and Genetics** depicts the intra uterine development of human embryos and fetuses. It attempts to explore factors responsible for growth and differentiation of tissues and organs as well causes occasional malformations. **Histology** deals with normal ultra-structure of organs and later on is compared with the pathological status for the differentiation between the normal and abnormal. **Clinical Anatomy** emphasizes on the application of anatomical knowledge in clinical practice for helping clinicians for reaching correct diagnosis and apply remedial measures.

**Medical Anatomy-BSc Nursing** This course provides basic knowledge of structures of human body which will be helpful for their future clinical practice of nursing. Here the students are taught Anatomical terms, Parts of the human body, Tissues in broad outline and Lectures of all the systems of human body with demonstrations on





the skeleton & dissected specimens.

**Medical Anatomy- BSc MLT** This course provides basic knowledge of structures of human body which will be helpful for their future technician jobs in various subjects. Here the students are taught Anatomical terms, Parts of the human body, Tissues in broad outline and Lectures of all the systems of human body with demonstrations on the skeleton & dissected specimens

### Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To
1	ANAT -213R		yes	yes		Sept 2019	Till date
2	ANAT -224		yes	yes		Jan 2019	Till date
3	Medical anatomy (MBBS)		yes	yes		Sept 2014	Dec 2019
4	Medical Anatomy (BSc Nursing )		yes	yes		Sept 2014	Dec 2019
5	Medical Anatomy (BSc MLT)		yes	yes		Sept 2014	Dec 2019

### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	Pituitary gland- Gross anatomy, embryology & histology	Integrated teaching for MBBS	Kamineni Academy of Medical Sciences & Research Centre	Jan 2018
2	Heart- Blood supply with applied aspects	Integrated teaching for 2 <sup>nd</sup> MBBS	Kamineni Academy of Medical Sciences & Research Centre	Feb 2019

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
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1	Level 7 & 8 (BSc AT)	31	May 2019	May 2020
2	Level 4 (BSc AT)	14	August 2020	Till date
3	MBBS ( 1 <sup>st</sup> year)	10	Oct 2016	Dec 2019

### Volunteer Work

#	From	To	Type of Volunteer	Organization
1	2002	2003	National programme for control of poliomyelitis	M. S. Ramiah Medical college, Bangalore

### Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Basic computer knowledge
2	PowerPoint with Slides/Media editing

Last Update

14<sup>th</sup> March 2021

