

## CURRICULUM VITAE

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### **BIOGRAPHICAL DATA**

Place of Birth	Thiruvananthapuram, Kerala, India
Date of Birth	May 27, 1975
Gender	Male
Marital Status	Married
Citizenship	Indian

### **EDUCATION**

<b>Degree</b>	<b>University</b>	<b>Year &amp; Month</b>
M. Sc. Anatomy (Under Faculty of Medicine)	Mahathma Gandhi University, Kerala, India.	February 2000
Ph.D Anatomy (Under Faculty of Medicine)	Annamalai University, Tamil Nadu, India.	May 2007
Post Graduate Diploma In Yoga	Annamalai University, Tamil Nadu, India.	May 2008
Title of Ph.D Thesis	Effects of Diabetes Mellitus (Type 2) on Human Alveolar Bone – Microscopic and Spectroscopic Study.	

### **SUMMARY & CONCLUSIONS OF PH. D THESIS**

#### **Effects of Diabetes Mellitus (Type 2) on Human Alveolar Bone – Microscopic and Spectroscopic Study.**

**Summary:** Diabetes mellitus is a serious metabolic disorder with micro and macrovascular complications that results in significant morbidity and mortality. It has been stated that oral health status is an integral component of a general health and well being of an individual. The effect of diabetes on oral health is evidenced by the fact that there is a 2 to 5-fold higher risk of periodontal tissue destruction (periodontal disease) in diabetics than non-diabetic subjects. In fact, the strength of the evidence has led to suggest that periodontitis should be listed as the "Sixth Classic Complication" of diabetes. Thus the study was focused on the effects of diabetes on human alveolar bone and Sharpey's fibers (collagen).

**Findings & Conclusions:** Histological (Haematoxylin and Eosin, Van Gieson's), histochemical (alcian blue positive staining) and morphological (Scanning Electron Microscopic (SEM) technique) studies of alveolar bone from diabetic patients revealed altered alveolar bone remodeling, hyper mineralization and accelerated aging of Sharpey's fibers, calcification of ground substance, and altered collagen metabolism. Fourier Transform Infrared Spectroscopic (FTIR) studies of diabetic alveolar bone

showed significant increase in collagen cross-links and decrease in glycosaminoglycans (GAG) content. However, the bone mineral environment (determined by Energy Dispersive X-ray Spectroscopy) was not significantly altered in diabetic patients compared to non-diabetic subjects.

### PROFESSIONAL EMPLOYMENT RECORD

April 2000 – February 2002	Tutor	Sree Mookambika Institute of Medical Sciences, Kulasekaram, Tamil Nadu, India.	1 year 10 months
March 2002 – August 2002	Senior Demonstrator	Christian Medical College, Vellore, Tamil Nadu, India.	6 months
September 2002 – June 2003	Tutor	Rajah Muthiah Institute of Health Sciences, Annamalai University, Tamil Nadu, India.	10 months
July 2003 – February 2008	Lecturer	Rajah Muthiah Institute of Health Sciences, Annamalai University, Tamil Nadu, India.	4 years 8 months
March 2008 – February 2012	Associate Professor	Jubilee Mission Medical College & Research Institute, Thrissur, Kerala, India.	4 years
March 2012 – Present	Additional Professor	Jubilee Mission Medical College & Research Institute, Thrissur, Kerala, India.	3 years 4 months

### PROFESSIONAL MEMBERSHIPS

- Member, Board of Studies – Clinical allied sciences, Kerala University of Health Sciences, Thrissur.
- In Charge, Small animal research facility, Jubilee Mission Medical College & Research Institute, Thrissur, Kerala, India.
- Life Member, Indian Science Congress Association
- Member, Society for Free Radical Research International (SFRRI).
- Life Member, Indian Association of Basic Medical Sciences
- Life Member, Association of Anatomists – Tamil Nadu

### HONORS:

1. Dr. M. M. Cooper Memorial Award for Teachers for the best paper presentation in the year 2004.
2. Dr. Arumugam Krishnamurti Award for the best research publication in the year 2006

## SCHOLARLY ACTIVITIES

Joint Editor	Anatomical Adjuncts	2002 - 2007
Member, Editorial Board	Asian Journal of Biochemistry	2007 - 2010
Member, Editorial Board	International Journal of Cancer Research	2007 - 2010
Member, Editorial Board	International Journal of Osteoporosis and Metabolic Disorders	2007 - 2010
Member, Editorial Board	International Journal of Pharmacology	2007 - 2010
Member, Editorial Board	Journal of Medical Sciences	2007 - 2010
Member, Editorial Board	Trends in Medical Research	2007 – 2010

## SKILLS

Been as Treasurer, '28<sup>th</sup> Annual Conference', Association of Anatomists- Tamilnadu, organized by Rajah Muthiah Institute of Health Sciences, Annamalai University in the year 2005.

Been as Treasurer, 'Symposium on Research Methodology' organized by Rajah Muthiah Institute of Health Sciences, Annamalai University in the year 2006.

Been as Member, 'Section of Medical Sciences (Including Physiology)', 94<sup>th</sup> Indian Science Congress organized by The Indian Science Congress Association held at Annamalai University in the year 2007.

## PAPER PRESENTATION

1. S. Ranjith; S. Radha. Bundle bone – A Scanning Electron Microscopic Study. Presented in the 27<sup>th</sup> Annual Conference, Association of Anatomists- Tamilnadu, organized by Vinayaka Mission's Kirupananda Variyar Medical College, Salem in the year 2004.
2. S. Ranjith, S. Radha Ramanathan 'Effect of Diabetes on Human Alveolar bone – A Scanning Electron Microscopic Study'. Presented in the Section of Medical Sciences (Including Physiology) 94<sup>th</sup> Indian Science Congress, The Indian Science Congress Association held at Annamalai University in the year 2007.

## CONFERENCES/ SEMINARS/ WORKSHOPS.

1. 49<sup>th</sup> National Conference, Anatomical Society of India, Conducted by Department of Anatomy, Kasturba Medical College, Manipal in the year 2001.
2. ICMR Sponsored Workshop on 'Biomedical Communication in the Cyber Age', Organized by Department of Pharmaceutical Sciences, Mahatma Gandhi University, Kottayam in the year 2002.
3. Silver Jubilee Conference, Association of Anatomists- Tamilnadu, organized by Dr. ALMPGIBMS, Taramani, Chennai in the year 2002.
4. 26<sup>th</sup> Annual Conference, Association of Anatomists- Tamilnadu, organized by Aarupadai Veedu Medical College, Puducherry in the year 2003.
5. 27<sup>th</sup> Annual Conference, Association of Anatomists- Tamilnadu, organized by Vinayaka Mission's Kirupananda Variyar Medical College, Salem in the year 2004.
6. 28<sup>th</sup> Annual Conference, Association of Anatomists- Tamilnadu, organized by Rajah Muthiah Institute of Health Sciences, Annamalai University in the year 2005.
7. National Workshop on Plastination, organized by Department of Anatomy, Sri Ramachandra Medical College & Research Institute, Chennai in the year 2006.
8. Symposium on Research Methodology organized by Rajah Muthiah Institute of Health Sciences, Annamalai University in the year 2006.
9. 29<sup>th</sup> Annual Conference, Association of Anatomists- Tamilnadu, organized by Sree Balaji Medical College & Hospital, Chennai in the year 2006.
10. 94<sup>th</sup> Indian Science Congress, The Indian Science Congress Association held at Annamalai University in the year 2007.
11. Hands on Course- Immunohistochemistry organized by Indian Association of Oral and Maxillofacial Pathologists at Rajah Muthiah Dental College, Annamalai University in the year 2007.
12. 30<sup>th</sup> Annual Conference, Association of Anatomists- Tamilnadu, organized by Aarupadai Veedu Medical College, Puducherry in the year 2007.
13. C.M.E on 'Leukodepletion in Blood Transfusion' organized by Indian Society of Blood Transfusion and Immunohematology (Kerala Chapter) at Jubilee Mission Medical College & Research Institute on 3<sup>rd</sup> April 2008.
14. Symposium on Doctor – Patient relationship 'Santhwanam – 2008' organised in connection with the platinum jubilee year of medical council of India at jubilee mission medical college and research institute, Thrissur on 27<sup>th</sup> march 2008.
15. CME on surgical anatomy of head and neck organized by Department of Anatomy, Medical college, Calicut on 22<sup>nd</sup> November 2008 sponsored by Anatomical Society of India, Kerala Chapter.
16. 'Glimpses on Etiquette' (Neurochemistry of Behavior) organized by Department of Physiology, Jubilee mission medical college, Thrissur on 23<sup>rd</sup> November 2012.

17. CME on 'Obesity – Current concepts', organized by Department of Biochemistry, Jubilee mission medical college, Thrissur on 18<sup>th</sup> November 2012.
18. CME on 'Plastination & 3-D Anatech - trends & techniques' organized by Department of Anatomy, Jubilee mission medical college, Thrissur on 07<sup>th</sup> October 2012.
19. Experience the advances in teaching and research in embryology organized by Department of Anatomy, Kasturba Medical College, Mangalore on 5<sup>th</sup> October 2013.
20. National conference cum workshop on advances in clinical research held at MES Medical College, Perinthalmanna on 9<sup>th</sup> and 10<sup>th</sup> August 2014.

## **PUBLICATIONS**

### **Research Articles:**

1. **Ranjith S**, Radha S, Ramachandran CR. A Histological Study of Human 'Bundle Bone'. Anatomical Adjuncts 2004; 4(1): 47-51.
2. **Ranjith S**, Madhavan Nirmal R, Radha Ramanathan S, Ramachandran CR. A preliminary study on human interdental alveolar bone using scanning electron microscopy and energy dispersive X-ray spectroscopy. Journal of oral and maxillo facial pathology 2005; 9(1): 6-11.
3. **S. Ranjith**; S. Radha. Bundle bone – A Scanning Electron Microscopic Study (Abstract) Anatomical Adjuncts Vol 4 (2) September 2005. pp 52.
4. **Ranjith S**, Krishnakumar N, Radha Ramanathan S, Ramachandran CR, PL. Palaniappan RM. Human Alveolar Bone: An FT-IR Spectroscopic Study. Anatomical Adjuncts 2006; 4(3): 7-12.
5. Anusha AM, **Ranjith**, Annamala PT. Correlation between prostate specific antigen and acid phosphatase with histopathological findings in various prostatic pathologies. International journal of medical sciences Vol 2 (6) June 2015.

I hereby declare that the particulars given above are true to the best of my knowledge and belief.

Thrissur  
25-06-2015

**(Dr. S. Ranjith)**