

Dr. N. Aravindha Babu an experienced and compassionate Oral and Maxillofacial Pathologist with 20 years of experience, dedicated to advancing the field through innovation, education, and patient care. As the Director of the COCPAR (Centre of Excellence for Oral Cancer Prevention Awareness & Research) passionate about investigating the transformation of potential oral premalignancy, the role of oncogenic viruses in oral cancer patients without traditional risk factors, and developing personalized markers for targeted therapy. Authored several books on oral potentially malignant diseases, including being the first in the world to produce a Braille book on preventing oral diseases, ensuring inclusive healthcare education for visually impaired individuals.

FIELD OF INTEREST:

Oral Pathology & Oral Microbiology, Molecular Biology, Forensic Odontology

EDUCATION

- **BDS- BACHELOR OF DENTAL SURGERY April 2000**

A.E.C.S Maruthi College of Dental Science & Research, Bangalore, Karnataka

- **MDS (Oral and Maxillofacial Pathology) August 2004**

Sree Balaji Dental College and Hospital, Chennai, Tamil Nadu

- **FICD – FELLOW INTERNATIONAL COLLEGE OF DENTISTRY**

- **FPA - FELLOW PIERRE FAUCHARD ACADEMY (2024-2025)**

COCPAR TEAM

EXPERIENCE

Sree Balaji Dental College and Hospital, Chennai

- 2004-2008 – Senior Lecturer
- 2008-2010- Assistant professor
- 2010-2012- Associate Professor
- 2012-2022- Professor
- 2022 - Present -Professor and Head of the Department

MAJOR PROFESSIONAL ACTIVITIES

- Director Of COCPAR (CENTER FOR ORAL CANCER PREVENTION AWARENESS & RESEARCH) at Sree
- Balaji Dental College and Hospital
- Associate Editor International Journal of Multi-Disciplinary Dentistry
- CO – EDITOR IAOMP (Indian Association of Oral and Maxillofacial Pathology)

- CO - CONVENOR CLINICAL SOCIETY MEETING at Sree Balaji Dental College and Hospital
- HEAD OF THE DEPARTMENT – Oral and Maxillofacial Pathology & Microbiology
- Reviewer Of International and National Journals

AWARDS

- Significant contribution in Oral Pathology, Saveetha Jan 5, 2024
- Guest of Honour Priyadarshini Dental College, Sept 15, 2023
- Guest Speaker Malaysia Conference, 6th May 2023
- Best Guide Award Research Fest'23, 6th and 7th January, 2023
- Excellence Award Priyadarshini Dental College Sept 15, 2023

HONORS

- EC member The Indian Association of Oral & Maxillofacial Oral Pathologist
- EC member Of Indian Dental Association, Chennai
- Former Vice President Indian Association of Oral and Maxillofacial Pathology
- Member of Indian Society of Dental Research
- Member of Indo-Pacific Academy of Forensic Odontology
- Member of Practicing Oral Pathology and Microbiology Association

GRANTS

- EXTERNAL FUNDING: BY GOVERNMENT OF INDIA
- DST SERB project fund of 18.5lakhs for research work on oral Cancer (2018-2022)
- TITLE: Re-purposing of antihypertensive (Beta- Blockers and NSAIDS in oral squamous cell carcinoma – Newer applications to be explored in pre-clinical studies)
- Tamil Nadu State council for science and technology Rs. 7500, (2022-2023)
- TITLE: Expression of S100A11 in oral Squamous Cell Carcinoma and Oral Potentially Malignant Disorders – an Immunohistochemical study"- A RETROSPECTIVE STUDY
- INTERNAL FUNDING: Bharath Institute of Higher Education and Research, Chennai, India, Rs. 200000 (2023-2024)
- TITLE: Evaluation of Oral Signs and Salivary Osteocalcin as an Early Indicator of Osteoporosis in Pre, Peri and Post Menopausal Women-A Cross Sectional Study
- Estimation of Salivary Creatinine and Urea as a Non-Invasive Alternative to Serum Creatinine and Urea in Patients with Chronic Kidney Disease.

RESEARCH CONTRIBUTION

As the Director of the COCPAR (Centre of Excellence for Oral Cancer Prevention Awareness & Research), the research centre is at the forefront of advancing diagnostic and prognostic solutions for oral potentially malignant disorders (OPMD) and oral cancer. The centre is committed and contributed to following:

Developing Diagnostic Aids: COCPAR focuses on creating a sensitive, rapid, and cost-effective tool to aid in diagnosing OPMD and oral cancer, addressing the need for early detection.

Transformation Potential & Prognosis: The centre works to determine the transformation potential of oral pre-malignancy and assess the prognosis of oral cancer, offering insight into the disease progression.

Oncogenic Viruses: COCPAR explores the role of oncogenic viruses in oral cancer patients without traditional risk factors, such as tobacco and alcohol use, to identify viral contributions to cancer development.

Targeted Therapy Markers: The centre aims to develop biomarkers that facilitate personalized, targeted therapy in treating OPMD and oral cancer, improving therapeutic outcomes.

Cancer Risk Markers: Research also focuses on identifying sensitive markers that detect the probability of cancer development in patients with or without habits, as well as in those with a family history of the disease.

This multidisciplinary approach positions COCPAR as a vital institution in the battle against oral cancer, contributing significantly to early detection, personalized treatment, and prevention strategies.

Centre of Excellence for Oral Cancer Prevention Awareness & Research plays a pivotal role in raising awareness about oral cancer, offering tobacco cessation counseling, and providing services for screening, diagnosis, and preventive treatment. Aimed to develop a sensitive, rapid, and cost-effective tool for diagnosing oral potentially malignant disorders and oral cancer, while also creating methods to evaluate the transformation potential of oral pre-malignancies and the prognosis of oral cancer. A key focus will be the identification of sensitive markers that can help predict the likelihood of cancer development in individuals with or without risk habits, as well as those with a family history of the disease.

BOOK PUBLICATIONS:

1. Textbook of forensic odontology-Author Name: Dr.K.M.K.Masthan-- ISBN : 978-81-8448-683-4-Jaypee 2009
2. Oral pathology Jaypee mini atlas-Author Name:Dr.K.M.K Masthan- - ISBN : 978-81-8448-429-8-Jaypee-2008
3. Textbook of human oral embryology, anatomy, histology and tooth morphology-Author Name: Dr. K.M.K Masthan- ISBN: 978-81-8448-892-0-Jaypee 2009

4. Guide to oral pathology-Author Name: Dr.K.M.K Masthan, M Sathish Kumar, R Sarangarajan, N Aravindha Babu ISBN : 978-81-8448-409-0-Jaypee 2009
5. Textbook of pediatric oral pathology -Author Name: Dr.K.M.K Masthan- -ISBN : 978-93-5025-169-0-Jaypee 2009
6. Textbook of oral microbiology-Author Name:Dr.K.M.K Masthan, Dr.N.Aravindha Babu- - ISBN : 978-81-239-1993-5 Jaypee-2011
7. Textbook of geriatric oral pathology (first edition)-Author Name: Dr.K.M.K Masthan, Dr.N.Aravindha Babu, Dr. Raghavendra Jayesh- - ISBN : 978-81-921493-2-5 CBS Publications 2014
8. Textbook of orofacial pain-Author Name: Dr.K.M.K Masthan, Dr. S.Bhuminathan,Dr.N.Aravindha Babu 2011-ISBN : 978-81-921493-4-9
9. Oral cancer-Author Name: Dr.N.Aravindha Babu , Dr.N.Leena Sankari, Dr.N Balachandar, Dr.K.T.Shanmugam, Dr.Sudha Jimson,2011-ISBN : 978-81-921493-5-6
10. Virus as a bio-weapon-Author Name: Dr.K.M.K Masthan, Dr.N.Aravindha Babu Dr. Thathagata Bhattacharjee- Lambert Academy Publishing-2012-ISBN : 978-3-8454-0458-5
11. Nanotechnology – application in oral cancer-Author Name: Dr.K.M.K Masthan, Dr.N.Aravindha Babu , Dr. Abhinav Jha-Lambert Academy Publishing 2012-ISBN : 978-3-659-35691-9
12. Comparative dental anatomy- Author Name: Dr.K.M.K Masthan, Dr.N.Aravindha Babu Lambert Academy Publishing- 2013- ISBN : 978-3-659-37709-9
13. Oral parasitology- Author Name: Dr.K.M.K Masthan, Dr.N.Aravindha Babu , Dr. Priyadharshini.C.Lambert Academy Publishing-2013- ISBN : 978-81-921493-4
14. Geriatric oral pathology (second edition) Author Name: Dr.K.M.K Masthan, Dr.N.Aravindha Babu, Dr. Raghavendra Jayesh- ISBN : 978-81-8448-409-0-2013 CBS-Publishers.
15. Oral cytology - Author Name: Dr.K.M.K Masthan, Dr.N.Aravindha Babu ISBN : 978-93-82932-03-1-2013
16. Colour atlas of oral cancer- Author Name: KMK Masthan, N Aravindha Babu, Vidyarani ShyamsundarISBN : 978- 93-5152-441-0-Jaypee-2016
17. Giant cell lesions of the jaws- Author Name: KMK Masthan, N Aravindha Babu, Dr.K.T.Shanmugam, Gouse Mohideen-ISBN : 978-93-82932-05-5-201418.Salivary gland malignancies- Author Name: Dr.Sudha Jimson, Dr.K.M.K. Masthan, Dr. N .Aravindha Babu-ISBN : 978-93-82932-04-8-2014
19. Immunohistochemistry and their applications in oral pathology-Author Name: : KMK Masthan, Dr.S.Bhuminathan, Dr.Priyadharshini.C, N Aravindha Babu, ISBN : 978-93-82932-02-2014
20. Molecular basis of oral neoplasms--Author Name: : KMK Masthan, Dr.S.Bhuminathan,Dr.K.Gayathri, Dr. LeenaSankari.S ISBN : 978-93-82932-01-7-2014
21. Cell survival mechanisms in tumours-Author Name: Dr.K.M.K. Masthan, Dr. N. Aravindha Babu, Dr.G.Kesavan,GouseMohiden ISBN : 978-93-82932-07-9-2013
22. Spindle cell lesions of oral & maxillofacial region: a diagnostic approach- Author Name: Dr.K.M.K. Masthan, Dr. N.Aravindha Babu ,Dr.Shyam Sundar Behura:ISBN : 978-93-82932-12-3-2014

23. Odontogenic tumours- Author Name: Dr.K.M.K. Masthan, Dr. N. Aravindha Babu ,Dr.Shashi Ranjan,Dr.Rashmi Issar-ISBN : 978-93-82932-11-6-2015
24. Immunology of common oral diseases- Author Name- Dr. K.M.K.Masthan, Dr.Sudha Manikandan, Dr. Leena Sankari-ISBN : 978-93-82932-06-2
25. A handbook for tooth carving – Author Name: Dr.K.M.K. Masthan, , Dr. HemaSri Asokan, Dr. JaiSanthosh Manikandan,Dr. N. Aravindha Babu -ISBN : 978-93-82932-17-8-2014
26. Surgical oral pathology- Author Name: Dr.K.M.K. Masthan, Dr. N. Aravindha Babu , Dr.L.Malathi, Dr.E.Rajesh- ISBN-ISBN : 978-81-239-2934-7-2015
27. Cone beam CT an introduction - Author Name: Dr.N.Aravindha Babu, Dr.B.Krishna Prasanth, Dr.N. Pavan Kumar- ISBN: 978-93-82-932-20-8
28. Non neoplastic diseases of oral cavity- Author Name: Dr.K.M.K. Masthan, Dr. N. Aravindha Babu , Dr.L.Malathi,Dr.E.Rajesh, Dr. N.Anitha-ISBN : 978-93-82-932-28-4
29. Emerging and re-emerging diseases in India- Author Name: Dr.K.M.K. Masthan, Dr. N. Aravindha Babu, Dr. S.Kalpana,Dr.Krishna Prasanth, Dr. A.S.Anusha ISBN: 978-93-82932-23-9
30. Guide to research methodology and biostatistics- Author Name: Dr.K.M.K .Masthan, Dr.Krishna Prasanth,Dr.Valarmathi,Dr. N.Arvanindha Babu, Dr. Deva Malika ISBN: 978-93-86310-64-4-2014
- 31.Handbook of tumoursyndromes-Author Name : Dr. N. Anitha
32. Dental chair the most basic and least understood aspects - Author Name: Dr. N. Aravindha Babu,Dr.K.M.K.Masthan Dr.Ishwariya - ISBN:978-93-5917-246-0- Amazon kindle – 2023
33. Dentist in the court as an expert witness- Author Name: Dr. N. Aravindha Babu, Dr. Don,Dr. K.M.K. Masthan,Dr.Kowsalya- ISBN:978-93-100-0167-9-Amazon kindle-2023
34. Tumour markers head and neck-Author Name: Dr. N. Aravindha Babu,Dr. K.M.K. Masthan,Dr. Ishwariya- ISBN:978-93-100-0279-9- Amazon kindle – 2023
35. Vitmins and oral health- Author Name: Dr. K.M.K. Masthan, Dr. N. Aravindha Babu ,Dr. Munira Banu- ISBN: 978- 93-100-0434-2-Amazon kindle – 2023
36. Biosimilars the emerging economical oncotherapy- Author Name:Dr. K.M.K. Masthan,Dr. N. Aravindha Babu,Dr.Anusha- ISBN:978-93-100-0434-2- BFC publications – 2023
37. Nutrition & dietetics in dentistry- Author Name:Dr. K.M.K. Masthan,Dr. N. Aravindha Babu,Dr. Munira Banu-ISBN:978-93-100-0388-8, Amazon kindle – 2023
38. Target therapy – is it the panacea for all cancers- Author Name:Dr. N. Aravindha Babu,Dr. K.M.K. Masthan,Dr. Aravind- ISBN: 978-93-100-0350-5- Amazon kindle – 2023
39. Oncolytic virus – Author Name: Dr. N. Aravindha Babu,Dr. K.M.K. Masthan, Dr. Ramya.- ISBN: 978-81-19493-08- 4-Mahi publications – 2023
40. Colour atlas of odontogenic cyst and odontogenic tumour-Author Name-Dr. Chaitanya Babu, Dr. Aravindha Babu.N-2023 ISBN: 978-93-5967-838-2
41. Medicolegal consideration series 1 Author Name: Dr. N. Aravindha Babu,Dr. K.M.K. Masthan, Dr. Ramya ISBN:978-93-6013-298-9-Amazon Kindle 2023

42. Autoimmune diseases of oral cavity recent concepts- Author Name: Dr. N. Aravindha Babu,Dr. K.M.K. Masthan, Dr.Deepikaa Shri ISBN: 978-93-340-0150-1 Amazon Kindle 2023BRAILLE BOOK

43. Prevent Oral Diseases - Author Name: Dr. N. Aravindha Babu,Dr. K.M.K. Masthan, Dr. Krishna Prashanth ISB :978-81-921493-0-1

44. பல் நலம் காப்பபாம் பகுதி1 & பகுதி 2 (Tamil version of Braille book - How to prevent dental diseases)

AWARENESS BOOKS ENGLISH BOOKS

45. How to prevent dental diseases- Author Name:Dr. N. Aravindha Babu,Dr. K.M.K. Masthan, ISBN: 978-81-921493- 0-1Amazon Kindle 2023

46. Child abuse and neglect- Author Name:Dr. Karthiga Nagarajan-Dr. N. Aravindha Babu,Dr. K.M.K. Masthan, AmazonKindle 2023- ISBN: 978-93-82932-04-08

47. Sport dentistry an overview- Author Name:Dr. N. Aravindha Babu,Dr. K.M.K. Masthan,Dr.Raghavendra Jayesh ISBN:978-81-947538-6-5Amazon Kindle 2023

48. Corona virus an overview- Author Name:Dr. N. Aravindha Babu,Dr. K.M.K. Masthan,Dr.E.P.Sridevi Anjuga ISBN :978-81-947538-7-2-Amazon Kindle 2023

49. Emergency medicine & health tips for public- Author Name:Dr. N. Aravindha Babu,Dr. K.M.K. Masthan,Dr.HemasriAsokan ISBN: 978-93-82933-28-4-Amazon Kindle 2023

50. Halitosis remedial measures- Author Name:Dr. N. Aravindha Babu,Dr. K.M.K. Masthan, Dr. Alamelu Mangai-ISBN:978-93-5917-339-9 Amazon Kindle 2023

51. Stop smoking a medical route- Author Name:Dr. N. Aravindha Babu,Dr. K.M.K. Masthan,Dr. Aafiya Reshma ISBN:978-93-5917-416-7-Amazon Kindle 2023

52. NANO- A MASTER OR A SERVANT? Author Name: Dr.N.Aravindha Babu, Dr.K.M.K Masthan, Dr.N.Anusha-Amazon Kindle-2024- ISBN-978-93-6013-442-6

53. INCREASE INCIDENCE OF SQUAMOUS CELL CARCINOMA IN SOLID ORGAN TRANSPLANT RECIPIENTS- Author Name: Dr.N.Aravindha Babu, Dr.K.M.K Masthan, Dr. Dhivyadharshini-ISBN-978 93-341 0915- 3-2024

54. IMPROVING THE PROGNOSIS OF ORAL CANCER- An Insight into the clinical and applied research- Author Name:Dr.N.Aravindha Babu, Dr.K.M.K Masthan,Dr. Surekha Busaidurai- ISBN-978-93-6013-650-5-Amazon Kindle 2024

55. DISASTERS IN DENTISTRY- Author Name: Dr.N.Aravindha Babu, Dr.K.M.K Masthan, Dr. Radhika Sridharan-ISBN-978-93-340-9921-8-2024

56. MANAGEMENTS OF PATIENTS UNDERGOING CHEMOTHERAPY- Author Name: Dr.N.Aravindha Babu,Dr.K.M.K Masthan,Dr. Swathi .T ISBN-978-93-341-1639-7-2024

57. HANDBOOK OF HISTOTECHNIQUES, Dr, N.Aravindha Babu, Dr. Bhuvan Nagpal

TAMIL BOOKS

- 58.பல் நலம் பபணுப ாம் (How to prevent oral diseases)
59. ாய் புற்றுபநாயும்விழிப்புணர்வும் (Oral Cancer Awareness)
- 60.பல் நலம் பகள்வி பதில்கள் (Dentistry related FAQ'S)
- 61.இம்பிளாண் ட் எனும் செயற்ககப் பற்கள் சபாருத்துதலும் பாதுகாப்பும் (Awareness of placing Implants)
62. ாய் ெம்பந்தமான பநாய்களும்விழிப்புணர்வும் (Oral lesions and its awareness)