

Dr. Sunil Muddaiah completed his Bachelor of Dental Surgery and Masters in the specialty of Orthodontics and Dentofacial Orthopaedics from Mangalore University, India.

He did his schooling at Lawrence School, Lovedale, Nilgiris and at Ramakrishna Vidyashala, Mysore.

Achievements

He founded the NGO Anuraadh, a social initiative to support societys' vulnerable in education and health.

The NGO has a vibrant program providing text books, stationary and solar lamps to school children who fare well in their academics in high school but are deterred due to financial constraints. An annual exhaustive survey is done to identify such children in the district of Kodagu and its surroundings.

The NGO actively assists Special Schools like Chesire Home, Kodagu Vidyalaya and Swastha in treating children's oral health care. Doctors appointed by him serve these Special Children on a weekly and fortnightly term.

The NGO sponsors –

- Free mobile health camps in the villages of Coorg.
- Free blood donation camps.
- Vidya Vihar – free transportation to school children from their homes to school and back every day.
- Arogya Sinchana – a program which educates the society on Health through Television and Radio.
- Basic lifesaving programs and education at the village level.
- Anti-tobacco campaigns
- Rain water harvesting structures through external watershed projects in socially relevant areas.

He founded the Coorg Institute of Dental Sciences in 1999; a dental school recognised by the Dental Council of India and Ministry of Health and Family Welfare. This school is now a premier educational facility in the country. Situated in the verdant Malnad region of the Nilgiri Biosphere, the dental school lies on a 45 acre campus and employs 72 Doctors and Dentists, along with 110 support staff. The Dental School has a vibrant graduate and postgraduate program with 200 graduate and 130 postgraduate students.

Dr. Sunil Muddaiah has signed MoU's on behalf of the Coorg Institute of Dental Sciences for research, student and faculty exchange with Hong Kong University, UTIM, Malaysia, University of Mahidol, Thailand and University of Geneva.

Under the umbrella of the Dental School he started the Dental Hospital. This 65,000 Sq. Ft. Dental Hospital has about 225 Dental Chairs with an Operation Theatre, Intensive Care Unit and Inpatient wards. It provides dental and specialized oral and maxillofacial care for about 400 patients everyday. The Dental Hospital and its teaching facility employs about 80 Dental Specialists and Doctors; along with 183 support staff.

He is also the Professor and Chair at the Department of Orthodontics and Dentofacial Orthopaedics.

The Department has 18 postgraduates completing a three year program in Orthodontics and Dentofacial Orthopaedics. The Department has an active research and student / faculty exchange program with the University of Copenhagen, University of Norway and University Clinics at Gothenburg, Sweden.

Dr. Sunil Muddaiah founded Samaadhaan, a clinic for aesthetics, cosmetology and specialist dental care in 2012. This clinic was inaugurated by the Consul General of Sweden in October 2012. Samaadhaan follows European Union standards of practice and infection control and caters to the Indian, European and South-East Asian patient population. This clinic carries out a wide spectrum of treatments that include dental implants, hair transplants and skin care.

In collaboration with Schweizer Hilfe Fur Spaltkinder, Switzerland and Deutsche Cleft Kinderhilfe, Germany; Dr. Sunil Muddaiah founded the Coorg Cleft Project. This center has a cleft operation theatre and an ICU. The center operates and treats about 250 cleft children every year. The surgeries are done free as a social obligation to society. The Coorg Cleft project has an efficient team of Surgeons, Anaesthetists and support staff to carry out the ever growing social demands of society.

Along with the Coorg Cleft Project surgeries, the team also conducts Orthognathic surgeries and Dentofacial Orthopaedic procedures.

He has been instrumental in conducting free Dental and Health Camps in the rural areas of Kodagu, Hassan, Chamarajnagar, Wayanad and Kannur districts for the past 5 years where about 60000 patients have been treated and diagnosed.

Under the banner of the NGO Anuraadh; about 9500 patients are treated free every month for oral and allied health diseases.

Research Activities

He has been instrumental in starting pioneering research in the field of Medicine and Dentistry. A few of these projects which are in an advanced stage presently are –

- Isolation and purification of anti-cholesterolemic agents from citrus maxima seeds.
- Anti-diabetic activity of saponins extracted from seed kernels of “*Semecarpus anacardium* LINN” plants.
- Antifungal properties of oil and components of oil extracted from (*Centratherum anthelminticum* (L)).
- Isolation of DHA, EPA and phospholipids from different seed materials and radical quenching activity.
- Effects of Curcumin on Candida – an in vitro study to determine the anticandida activity of curcumin from turmeric.

Along with this pioneering research, he has been in the forefront of innovation in other areas of research. Some of these innovative projects are –

- Comparison of Enmass retraction using continuous loop, sliding mechanics and mini – implant anchorage – An FEM study. (Published)
- Evaluation of apical root resorption in orthodontic patients with maxillary anterior intrusion using utility arch and mini screws – A comparative clinical trial. (Published)
- Evaluation of modified nickel titanium spring and T - Loop in canine retraction – A comparative clinical study. (Published)
- Contribution of MTHFR and MSX1 to the risk of developing non – syndromic cleft lip/palate – A single nucleotide polymorphism study.
- Comparison of treatment results with two approaches in skeletal class III- Conventional and surgery first approach.
- Assessment of relationship between MP3 Radiograph and IGF1 in determining skeletal maturity.
- A comparative analysis of TNF- α levels in GCF using corticotomy induced and normal canine retraction techniques – A clinical study.

A few long term research studies include –

- A comparative analysis of lower intercanine width during alignment using preformed mushroom and non-mushroom Niti arch wires in lingual technique – A clinical study.
- A comparative evaluation of Damon Q brackets with conventional MBT brackets in levelling and aligning – A clinical study

Publications

- He has published Protocols for Administration and Management of Dental Schools in South-Asia
- He has published Protocols for Infection Control for Dental Schools in South-Asia

Memberships

He is a member of –

- The European Orthodontic Society
- The South-East Asian Association for Dental Education
- The International Association for Dental Research
- The Indian Orthodontic Society

Recent Attendance and Positions

- He attended the European Orthodontics Society at Warsaw in June 2014 where he was invited for presentations on Scientific research in Dentistry.
- He attended the South-East Asian Association for Dental Education in Malaysia, August 2014 where he was invited to present a paper on Dental Education and Leadership.
- He attended the International Association for Dental Research in Kuching in August 2014 where he was invited for a presentation.
- He was the Host Chairman for the Pan Global Symposium “Cognathics” on Orthodontics and Maxillofacial Surgery in 2012 and 2013 where Foreign and Indian speakers and delegates attended.
- He was the Host Chairman for the National Postgraduate conventions:
 - Oral Pathology PG Convention (2011)
 - Pedodontics and Preventive Dentistry (2012)
- He is the Chairman of Institutional Review Board, Coorg Institute of Dental Sciences
- He was the Host Chairman for the Indian Dental Association, Karnataka State Conference in November 2013.
- He was the Host Chairman for the Pan Global Symposium ‘PRESTO’ in Restorative Dentistry in August 2014
- He is the Honorary Secretary of the Coorg Golf Links, Bittangala
- He is the Founder Secretary of Indian Dental Association, Coorg Branch and instrumental in the creation of the Indian Dental Association, Coorg Branch.
- He is the Member of the Editorial Advisory Committee of the ‘Journal for Multidisciplinary Dental Research’

- He was the Member, Board of Studies, Faculty of Dentistry, Rajiv Gandhi University of Health Sciences, Bangalore (2001 – 2003)
- He has been honoured with Honorary Membership for Social Work by the Rotary International (Dist. 3180) during the Rotary Centennial Celebrations.
- He has been honoured for Outstanding Contribution to the Society by the Indian Dental Association, Coorg Branch and the Indian Medical Association, Coorg Branch.