

DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES

DEPARTMENT OF ORAL & MAXILLOFACIAL SURGERY


CLINICAL SKILL MODELS



- Suturing pillow, casts for wiring

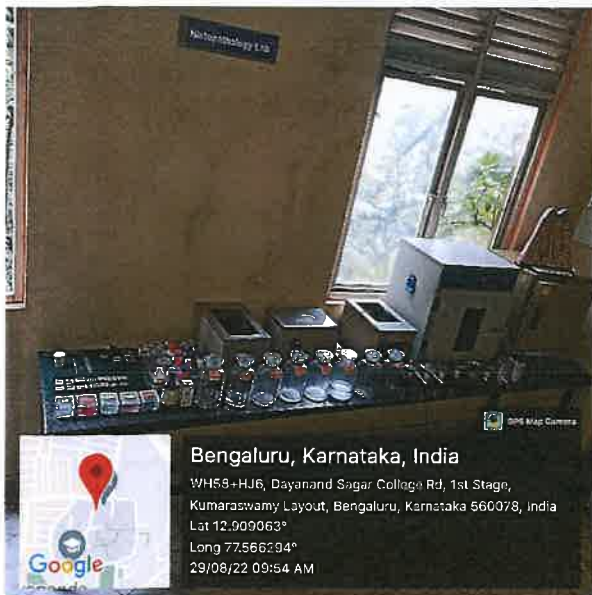
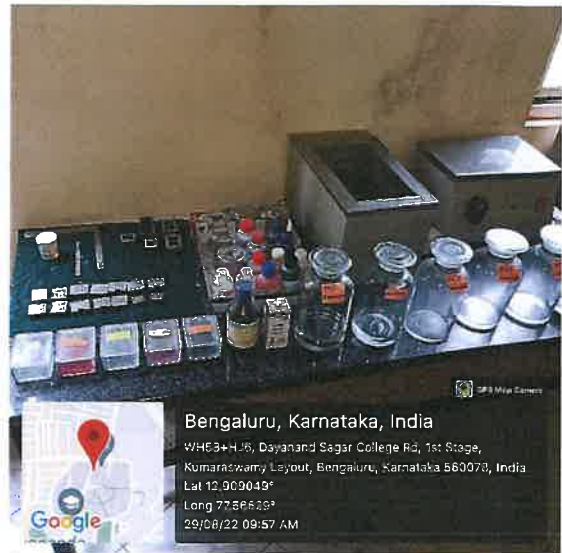



Dummy mandible for practicing implant placement, casts for cap splint and gunning splint


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DEPARTMENT OF ORAL PATHOLOGY

The department has a well-equipped histopathology lab.




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Histopathology diagram plaques



Gross Specimens



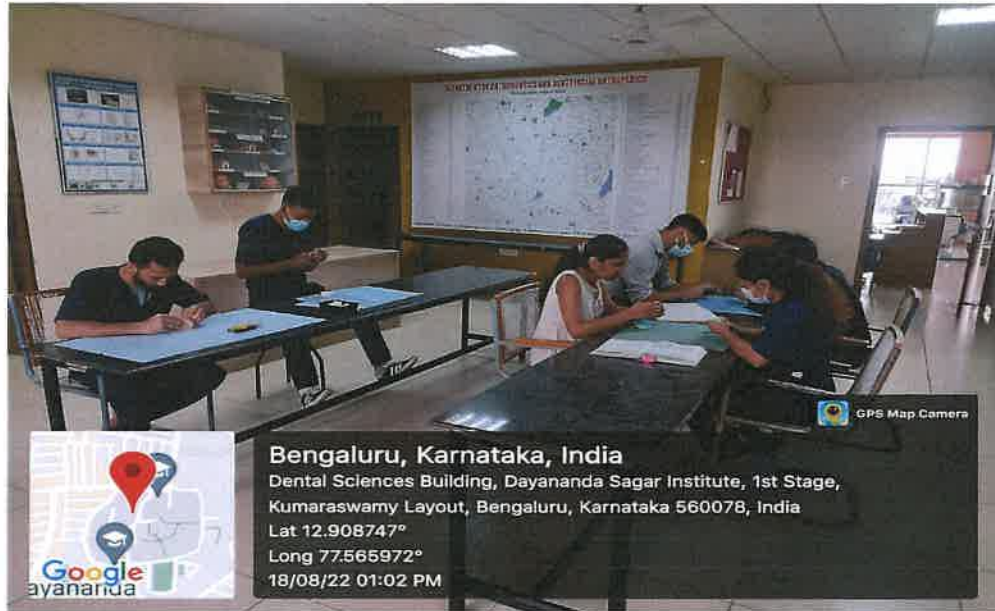
Tooth study model

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DEPARTMENT OF ORTHODONTICS

CLINICAL SKILLS LAB

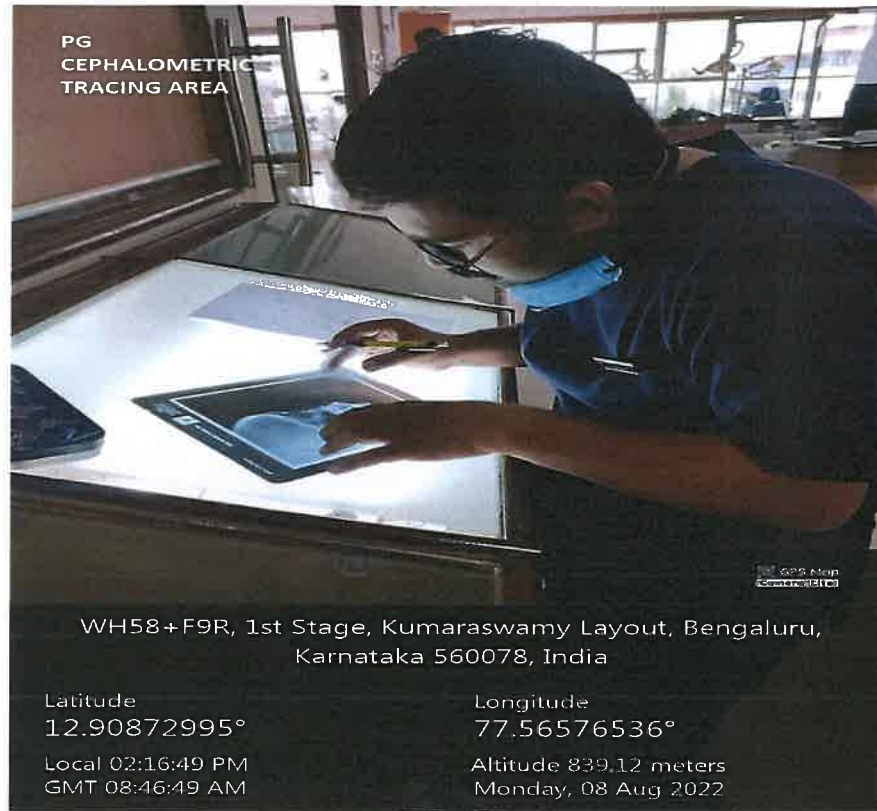
UNDERGRADUATE LAB: A designated lab area is provided to undergraduate students. Pre-clinical exercises and other demonstrations are performed regularly




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Tracing boards: post graduates are provided with individual tracing areas to practise cephalometric tracing



MODELS FOR LEARNING:




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MODELS FOR LEARNING



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DEPARTMENT OF PROSTHODONTICS




Dental Material

Pre-clinical lab



Pre-clinical PG Phantom heads

Ceramic lab:2

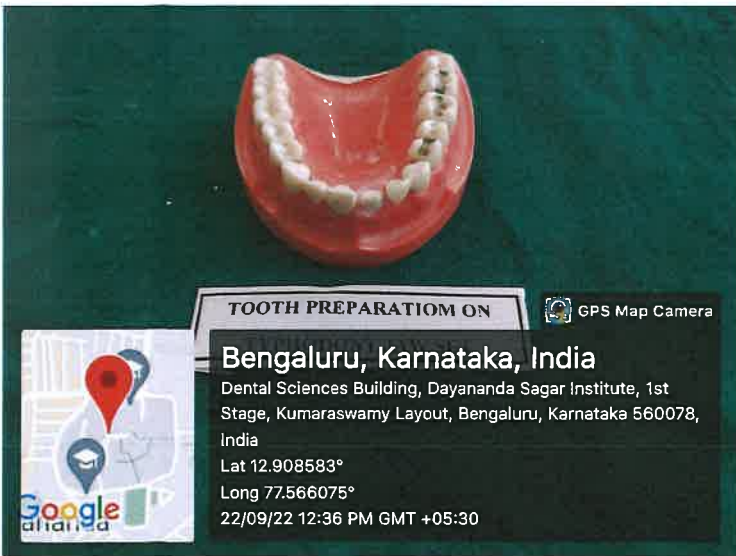

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CLINICAL SKILL MODELS:



ANATOMICAL LANDMARKS

**RE-MOUNTING OF
MASTERCAST WITH
PROCESSED DENTURES ON
ARTICULATORS**



**TOOTH PREPARATION ON
TYPHODONT JAW SET**

**MOUNTING OF MASTER CAST
ON ARTICULATORS**


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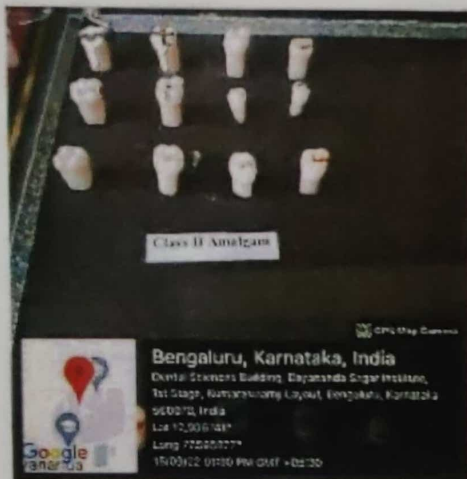


HEAT CURED DENTURE BASE


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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Pre-Clinical Skill Models:

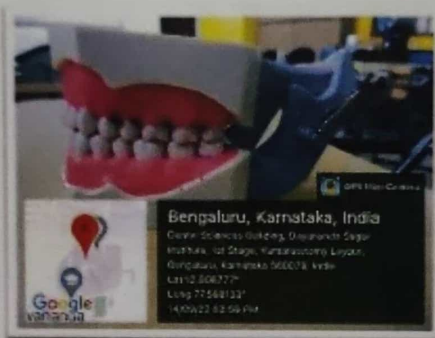


Amalgam and Inlay cavity preparations and restorations on Typodonts

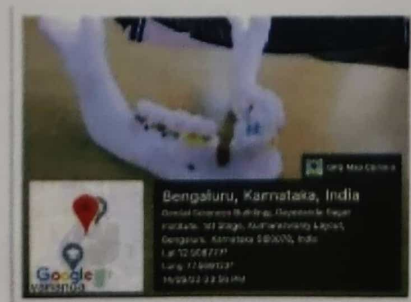
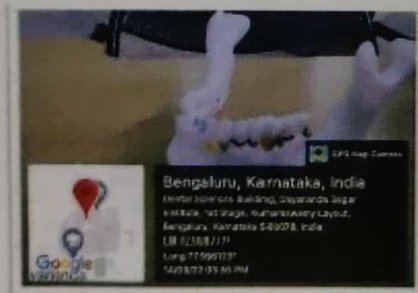
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DEPARTMENT OF PERIODONTOLOGY

1. SUTURING CASTS



2. PERIODONTAL DISEASE MODELS



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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Informative Models



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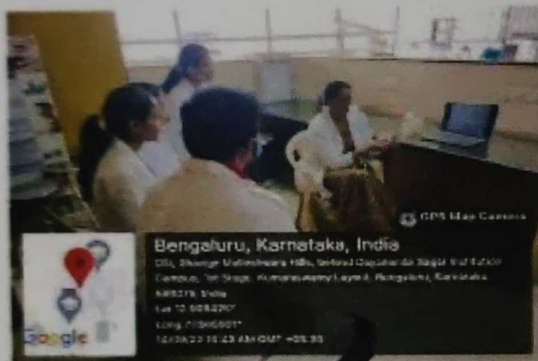
DEPARTMENT OF PEDODONTICS AND PREVENTIVE DENTISTRY

A) Carving Area



B) Clinical Skill models-

Demonstrations given to ug students-



Department Museum



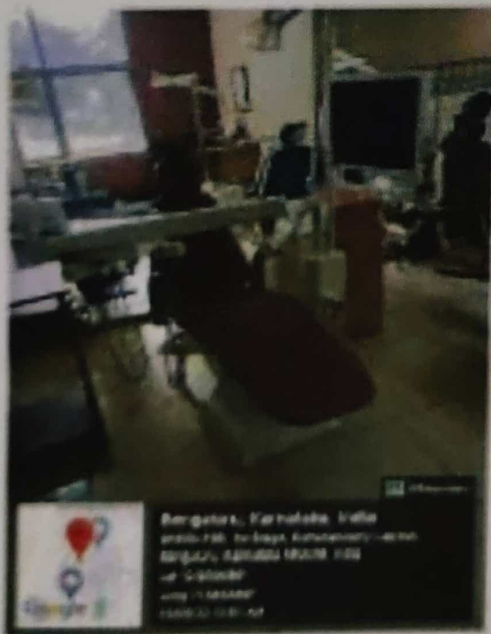
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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

1) OPG Machine



2) Intra Oral camera with screen and dental chair



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Advanced Simulators for Simulation Based Training

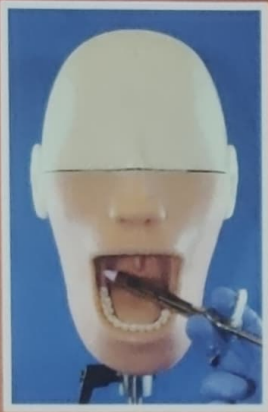
- Local Anaesthesia MANIKIN

LOCAL ANAESTHESIA MANIKIN

Historically dental students have been trained in the skill of administering dental local anaesthesia by injecting oranges or each other before advancing to patients.

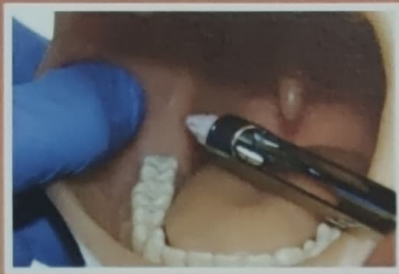
In the increasingly litigious society we live in, dental anaesthesia is considered invasive treatment and no longer seen as a skill that should be learnt in such experimental conditions amongst dental students.

Columbia Dentoform's new local anaesthesia manikin has been designed and manufactured with the help of our local experts, to provide a safe and realistic experience for dental professionals practicing local anaesthesia techniques.



The standard local anaesthesia manikin comes with conduction sensors for Gow Gates and Standard Mandibular block anaesthesia. Local infiltrations may also be administered in their respective regions.

The battery powered LED light signal situated on top of the manikin's head indicates when the correct position and angle of injection is achieved by the visual prompt of a green light. The indicator unit uses 3 AAA batteries, supplied with the manikin.



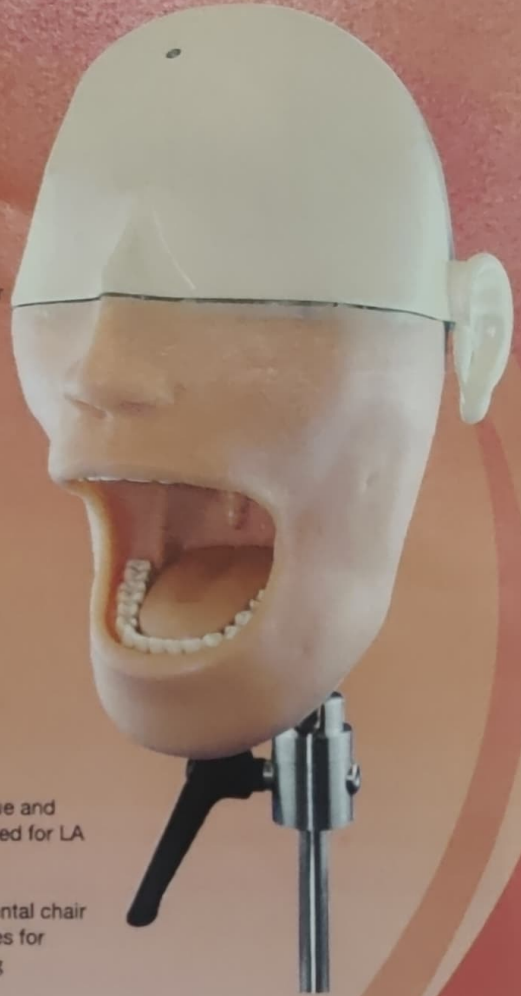
The flexible silicone skin and mouth lining is an improvement from the fragile PVC used by other LA simulators. It forms one continuous piece with a movable tongue. This superior, durable silicone is similar to that used in artificial body parts and has a memory which allows the needle to pierce the silicone and be removed leaving no signs of insertion.

The LA manikin includes two models comprising of 28 permanent teeth, a tongue and realistic soft tissue anatomical landmarks, which can be visibly seen and palpated for LA placement.

The LA manikin attaches easily to a dental chair for realistic simulation in the dental chair environment. It can also be bench mounted or enclosed in our customized cases for easy portability. The manikin can be configured to your requirements and setting.

In dental educational settings the LA simulator provides a safe, learning environment where students are able to become competent at identifying the anatomical landmarks for mandibular block anaesthesia. Additionally they are able to self assess the positioning of the LA syringe over and over again gaining competence and confidence to move onto their patients.

NB: Anaesthetic solution or any liquid is not to be used when practicing injection technique on the LA manikin model as liquids can interfere with the electronic

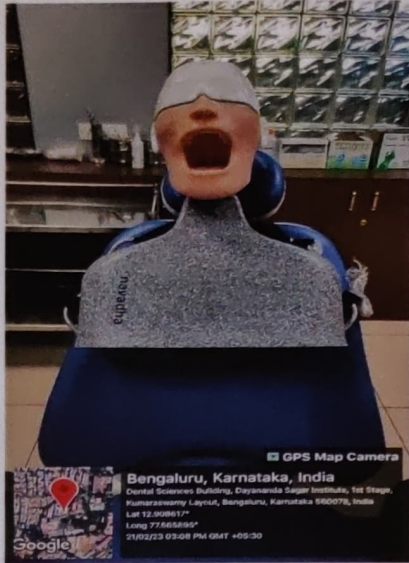




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Advanced simulator for Simulation based training

Local Anaesthesia Simulation Manikin




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