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Response:

Central Research Laboratory (CRL) was established at Surendera Dental College and Research Institute by our honourable chairman Late Surender Aggarwal Ji with outlooks to add multidisciplinary R&D activities and propose a platform to researchers to avail lab facility. Under the supervision of Dr. Sandeep Kumar M.D.S, a dedicated team of experienced clinicians, academicians, scientists, and public health researchers run through CRL. With an enthusiastic collaboration of clinicians & scientists, CRL pledges to link the bench-to-bedside gap. CRL is committed to neoteric research in the area of clinical dentistry & life sciences. With the aid of prevalent technologies, CRL has well-resourced advanced instrument facilities. CRL has distinct labs namely for Vitro studies, biochemistry facility, microbiology, and pharmacology facilities for comprehensive and corresponding medicine studies. Before implementation, clinical studies that are carried out at CRL receive approval from Institutional Review Board and Institutional ethical clearance. CRL supported extramural and intramural research projects/dissertations/internship training/short studies of students. Contract researches are also conducted by CRL. CRL promotes quality in scientific reporting (manuscript preparation and publications in peer-reviewed national and international journals), thesis compilation, synopsis and summary preparation, and grant/proposal writing with the assistance of a scientific writing team that is comprised of professionally experienced scientific writers. Professional experts provide abetment in a scientific presentation in conferences, seminars, and continuing dental/medical education (CDE) programs. CRL also organizes training programs, CDE, symposiums, workshops, seminars, and conferences regularly thus boosting the ongoing research activities.

VISION OF CRL at SDC&RI

1. To conjugate bench-to-bedside gap using translational research
2. To stimulate and upgrade research activities of dentistry and life sciences.
3. To elevate the quality of research and its application in academics.
4. To assist students, researchers, and academicians with their bench-work.
5. To circulate latest multidisciplinary knowledge to students, researchers, and academicians through scientific and academic events.


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6. To contribute to scientific publications in the field of medicine, dentistry, and life sciences.
7. To contribute to R&D activities in a competent and timely manner.

AREAS OF RESEARCH


- Use of concentrated growth factors in periodontal diseases
- Platelet-rich Fibrin and platelet-rich plasma for maxillofacial diseases
- Oral Enterobacteriaceae and orthodontic brackets
- Study of different intracanal medicaments in immature teeth
- Different file systems in deciduous and permanent dentition
- Diode laser for occlusion of dentinal tubules
- Gingival and apical microleakage in deciduous dentition – different sealing agent
- Squamous cell carcinoma and yeast microflora
- Biofilms on dentures
- Efficacy of different file systems for calcium hydroxide removal

CONFERENCE ROOM

1. Fully-equipped conference room with LCD Projector and high-speed internet facility library.
2. CRL's library contains an extensive collection of medical, dental, and life science journals.

FACILITIES

1. Academic Facilities
2. Infrastructure Facilities
3. Recreational Facilities


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CRL is fully air-conditioned sophisticated instrumentation facility.

Instrumentation available at CRL

- Autoclave



- Binocular microscope





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- Laboratory Centrifuge



- Biological Incubator




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- Wax Impregnation Type Hot Air Oven



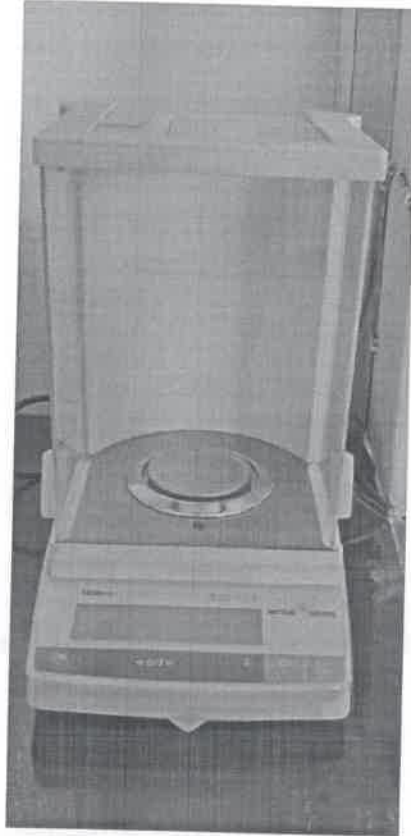
- Rectangular water bath



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- Electronic weighing machine



IMMUNOHISTOCHEMISTRY (IHC) DEVICE



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