

# RAGAS DENTAL COLLEGE AND HOSPITAL

# Principles of odontogenic infection management

3<sup>RD</sup> OCTOBER 2022 – 23<sup>RD</sup> DECEMBER, 2022

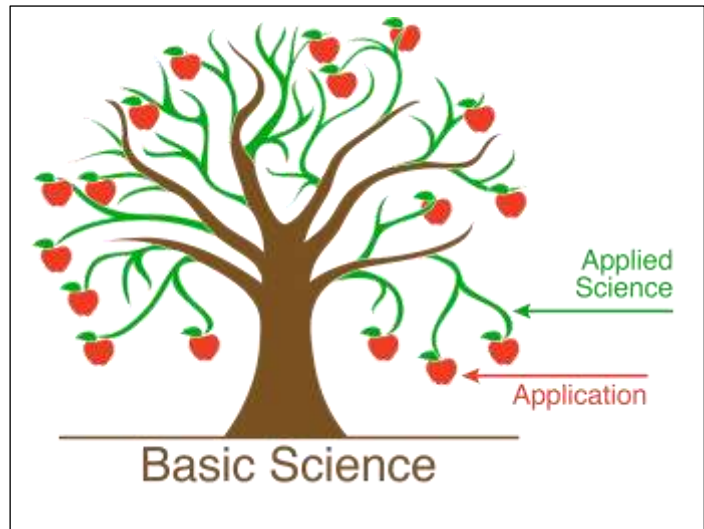
Course code: ID2022/04 DURATION: 30 HOURS

**INTENDED AUDIENCE :**  
BDS, MDS (ALL YEARS)

**COURSE CO ORDINATORS -**  
Dept of Basic sciences  
Dept of OMFS, Periodontics, Oral Pathology.

## FACULTY :

PROF DR R GANESH  
PROF DR SWAMINATHAN  
PROF DR K N ALLI  
PROF DR ELIZABETH JOSHUA  
PROF DR VEERABAHU  
PROF DR D SANKAR  
PROF DR K V ARUN



FOR REGD: CONTACT RAGAS DENTAL COLLEGE OFFICE, PH: 044-24530002

## COURSE OUTLINE:

The broad goal of teaching Basic sciences to dental students is to inoculate the rational and scientific basis of therapeutics in the management of dental diseases. At the end of the course, the participant will be able to understand the basics of various branches of microbiology, pathology, Pharmacology and will learn, how to apply the knowledge gained in the basic science towards dental management of oral diseases.

**Assessment: Weekly – Assignment; Monthly- viva voce; End term: MCQ exam**

## COURSE PLAN :-

- Week 1:** Diagnosis and evaluation of odontogenic infection.
- Week 2:** Role of microbiology in odontogenic infection,
- Week 3:** Introduction to culture medium, Sample collection, culture and sensitivity testing, Processing
- Week 4:** Principles of biopsy, Basics of slide preparation, Basics of microscope
- Week 5:** Principles of Antibiotics (Principles of selection of antibiotic, principles of antibiotic administration, combination antibiotics, drug resistance)
- Week 6:** Surgical management of odontogenic infection
- Week 7:** Antibiotic prophylaxis, Principles of choosing medicine in Geriatric and Paediatric patients
- Week 8:** Principles of Analgesics (Principles of pain management, classification of pain, analgesics ladder, NSAIDS, opioids, recent advances)
- Week 9:** Route of administration, parenteral techniques, oral and rectal administration, transdermal drug delivery system.
- Week 10:** Supportive care.