

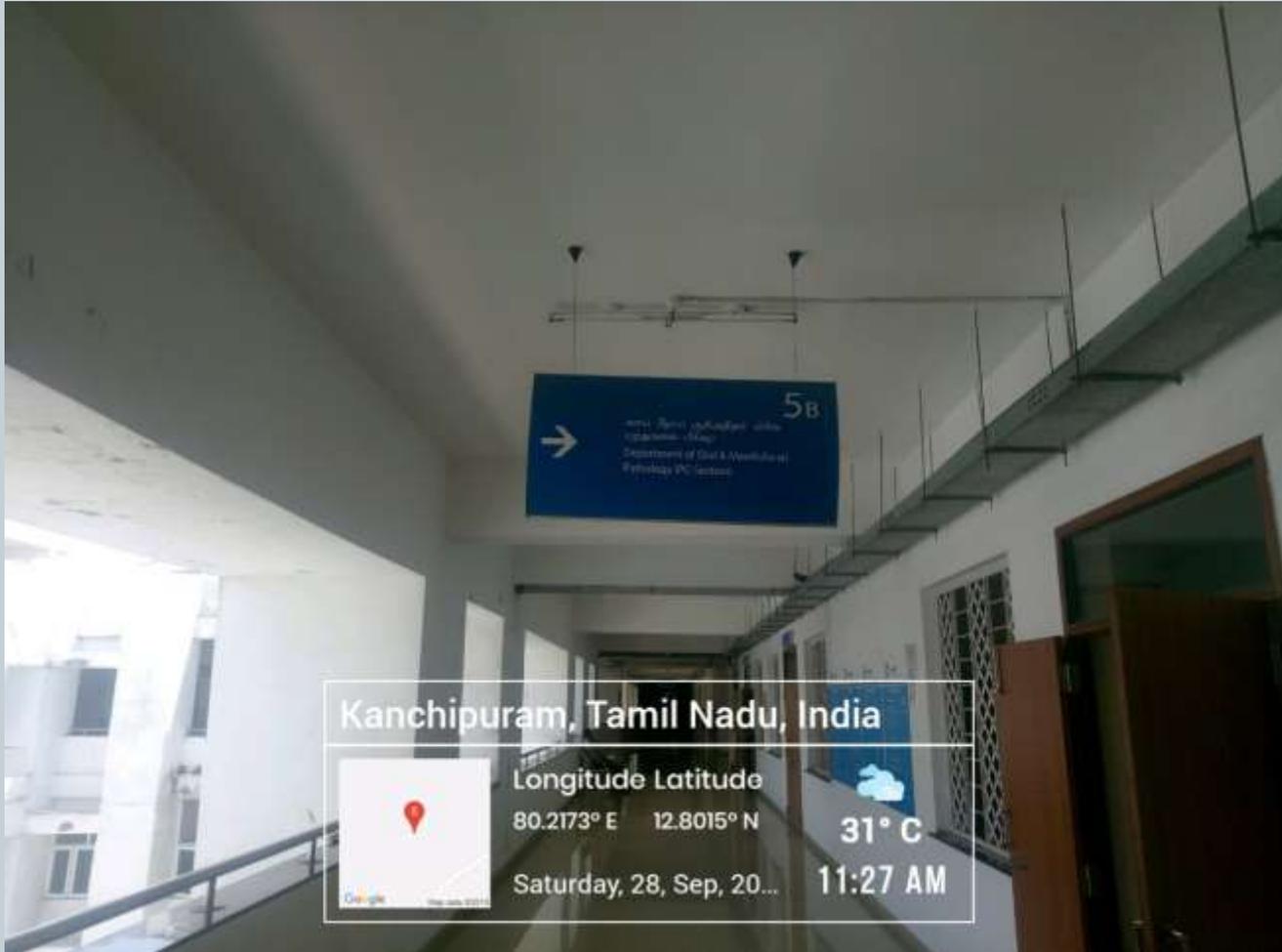


**Chettinad**

Dental College & Research Institute



# ORAL PATHOLOGY



Kanchipuram, Tamil Nadu, India



Longitude Latitude

80.2173° E 12.8015° N

31° C

Saturday, 28, Sep, 20...

11:27 AM





# TEACHING & LEARNING



# TEACHING & LEARNING



# RESEARCH MICROSCOPE WITH PHASE CONTRAST, DARK FIELD & POLARIZATION

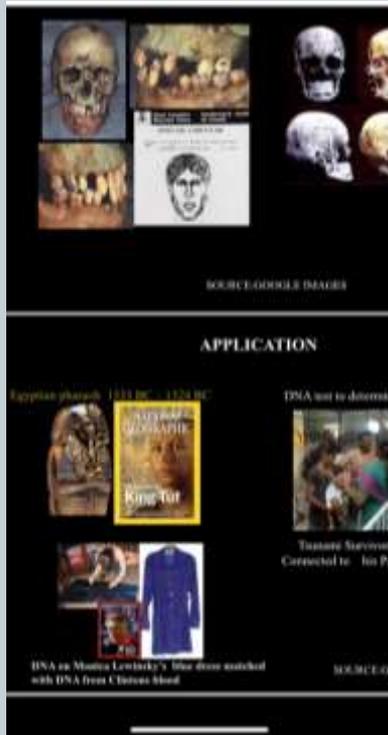


# IMAGE ANALYZER WITH PHOTOMICROGRAPHY ATTACHMENTS

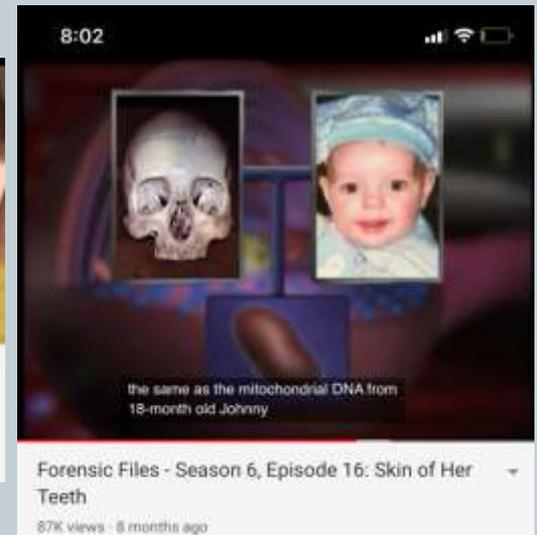


# FORENSIC LECTURES

Lectures are delivered in most interesting way with life case examples



Videos from forensic case files for understanding the application is shared with the students



# PRACTICAL DEMONSTRATIONS



# PRACTICAL DEMONSTRATIONS



Practical Carving lab



Microscopic slide viewing

# EXAMINATION



# EXAMINATION



# CREATIVE CARVING





# ONLINE SPOTTERS AND SLIDE QUIZ

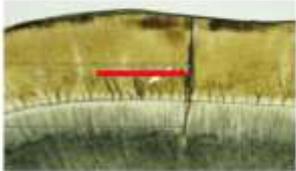
12:16

TEST - ENAMEL 18.5.2020-converte...

## TEST - ENAMEL

18.5.2020  
Batch B2

1. IDENTIFY THE RED ARROW STRUCTURE  
?And its significance ?



2. Identify the structure - White arrow



3. Identify structure - Red arrow



12:17

TEST - ENAMEL 18.5.2020-converte...

6. Identify the structure- red arrow ?



7. Identify tooth. Mention tooth number .  
Write about labial aspect and lingual aspect in detail. Nomenclature .Measurements ?



8. Identify the cast . Identify the tooth .  
Write in detail on the mesial and distal aspect .  
Regard to Contact area ?The occlusal aspect ?Labial Aspect  
?Measurements ?Nomenclature ?



10. Identify Structure ?Blue arrow ?Pattern of the line ?



# INNOVATIVE TEACHING



## Spotter - 2



Description (optional)

A 24 year old male patient presents with dome shaped translucent swelling in the lower lip for the past 2 months.



Diagnosis ?

# GROUP ACTIVITY



**BUD STAGE**

**BUD STAGE**

**CAP STAGE**

**Stages of tooth development**

**B1 BATCH EARLY BELL STAGE**

**EARLY BELL STAGE**

**LATE BELL STAGE**

# INNOVATIVE TEACHING



Kanchipuram, Tamil Nadu, India



Longitude BDS Latitude

80.218° E 13.7969° N

Friday, 24, Dec, 2021



30° C

01:01 PM

# LEARNING RESOURCES



Formalin fixed wet models



Tooth development in wax



Orofacial Anatomy and Histology models in plaster



Cyst model in wax



Osteology



## BRUXISM (NIGHT GRINDING, BRUXOMANIA)

➤ Involuntary, unconscious, excessive grinding,  
tapping or clenching of the teeth.

➤ When it occurs in sleep- **NOCTURNAL**.

**BRUXISM**

# DEPARTMENT LIBRARY



# AWARDS & ACHEIVEMENTS



# AWARDS & ACHEIVEMENTS



**INDIAN COUNCIL OF MEDICAL RESEARCH**  
**NEW DELHI**  
[STS - 2014]

This is to certify that Ms. Kserthana Sri student of BDS III of Chettinad Dental College & Research Institute, Kanchipuram has been awarded the Short Term Studentship (STS) for a period of two months during 2014 under the guidance of Dr. Sathish Muthukumar for the project entitled, Assessment of oral mucosal integrity status in patients with recurrent aphthous stomatitis (Ref. No. 2014-00776) and the report was found to be satisfactory.

  
Dr. Vijay Kumar  
Head, Division of Basic Medical Sciences  
ICMR

  
Dr. Soumya Swaminathan  
Secretary, Department of Health Research &  
Director General, ICMR



**icmr**  
INDIAN COUNCIL OF  
MEDICAL RESEARCH  
Serving the nation since 1911



This is to certify that Ms. Roshni Rameshbabu student of BDS-I of Chettinad Dental College and Research Institute, Kancheepuram has been awarded the Short Term Studentship (STS) for a period of two months during 2019 under the guidance of Dr. Harini Priya A H for the project entitled, "Evaluation of efficacy of fold scope- A paper microscope, as a chair side diagnostic tool in oral dysplastic lesions, compared with light microscope- A prospective study" (Ref. No. 2019-01399) and the Report was found to be satisfactory.

  
Dr. N.C Jain  
Scientist G & Head, HRD  
ICMR

  
Prof. (Dr.) Balram Bhargava  
Secretary, Department of Health Research &  
Director General, ICMR

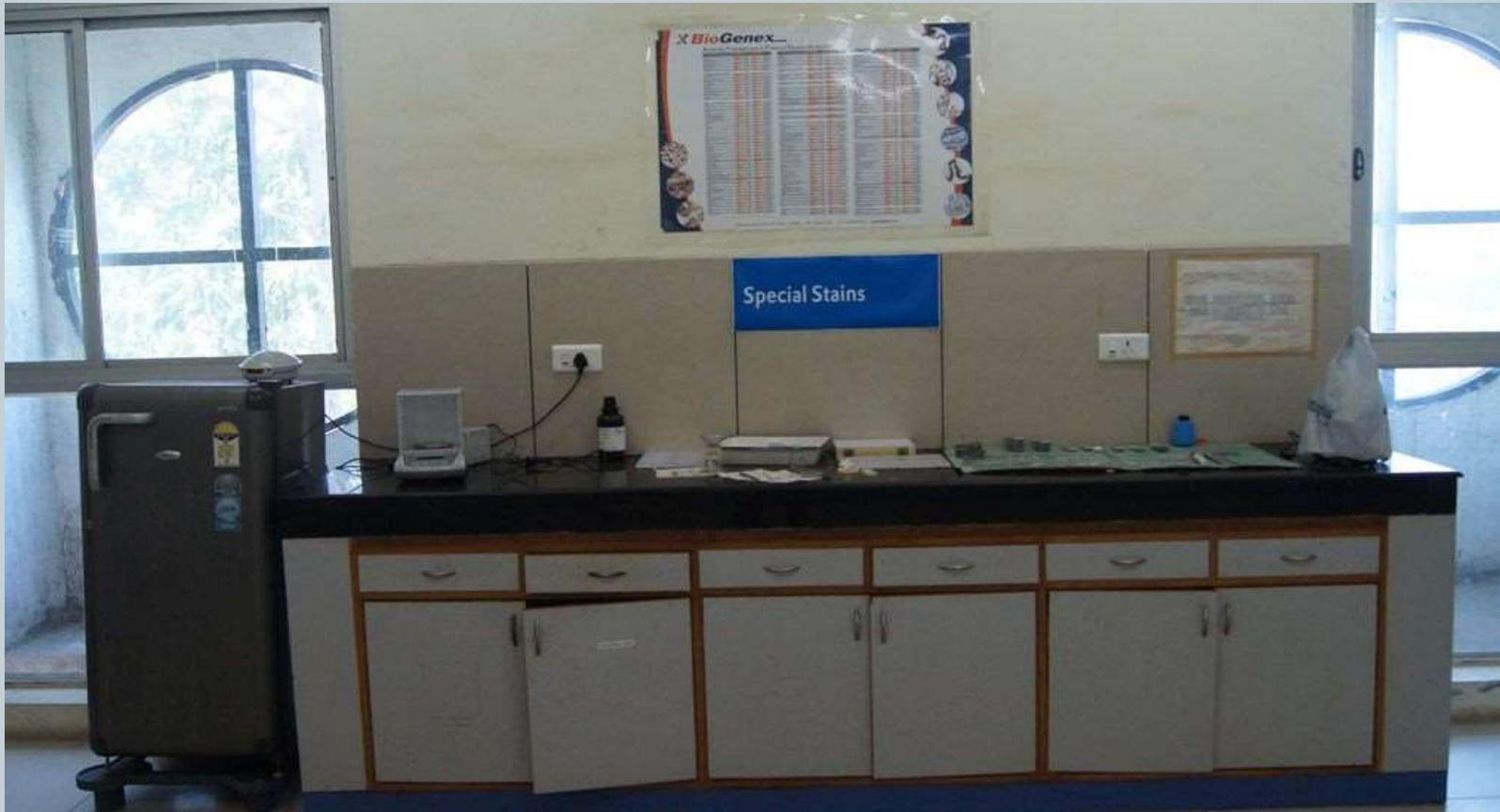
## HISTOPATHOLOGY LAB



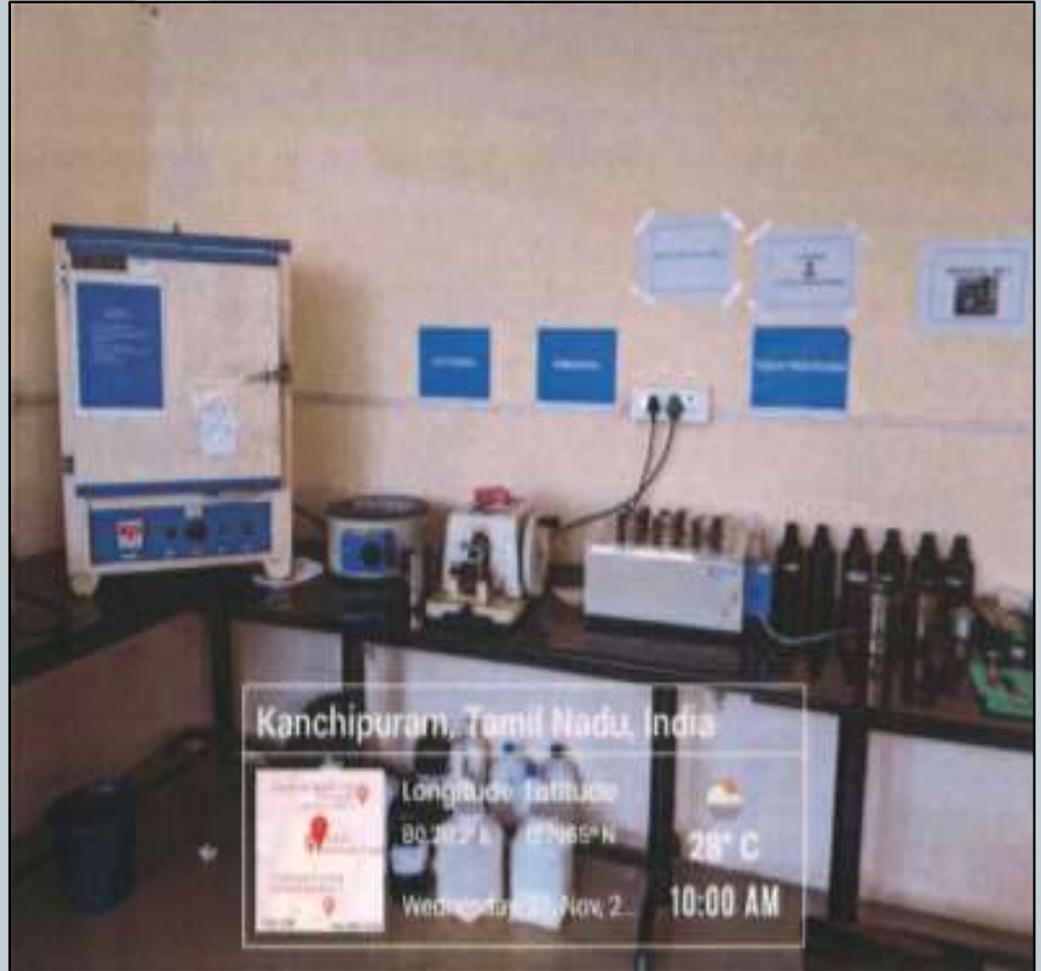
# HISTOPATHOLOGY LAB



# HISTOPATHOLOGY LAB - SPECIAL STAINS



# IMMUNOHISTOCHEMISTRY LABORATORY



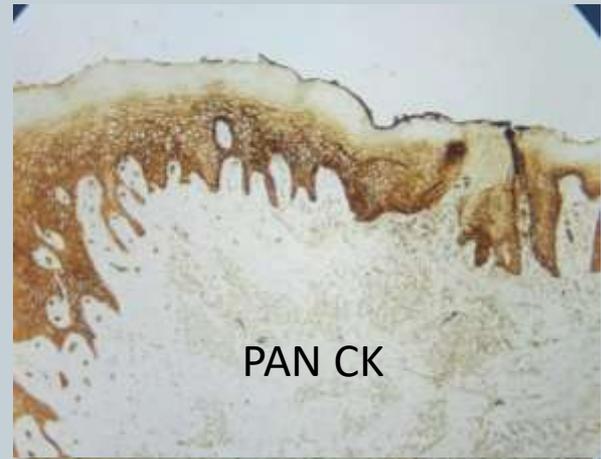
# IMMUNOHISTOCHEMICAL MARKERS



MELATONIN



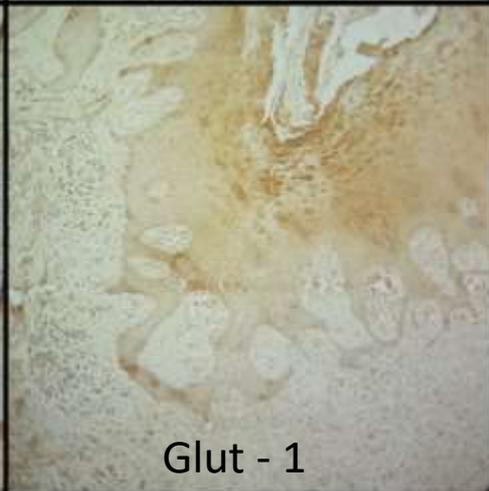
Ki-67



PAN CK



Bcl-2



Glut - 1



S-100

# HEMATOLOGY LABORATORY



**WARNING**

1. DO NOT OPERATE WITH COVER OPEN
2. PLUG THE POWER CORD
3. DO NOT OPERATE WITH POWER OFF
4. DO NOT OPERATE WITH POWER ON
5. DO NOT OPERATE WITH POWER ON
6. DO NOT OPERATE WITH POWER ON
7. DO NOT OPERATE WITH POWER ON
8. DO NOT OPERATE WITH POWER ON



# HEMATOLOGY LAB – INTRAVENOUS BLOOD COLLECTION



# DEPARTMENT MUSEUM





# DEPARTMENT MUSEUM



# DEPARTMENT MUSEUM



# DEPARTMENT MUSEUM



# RESEARCH FACILITIES



# RESEARCH FACILITIES



# RESEARCH FACILITIES

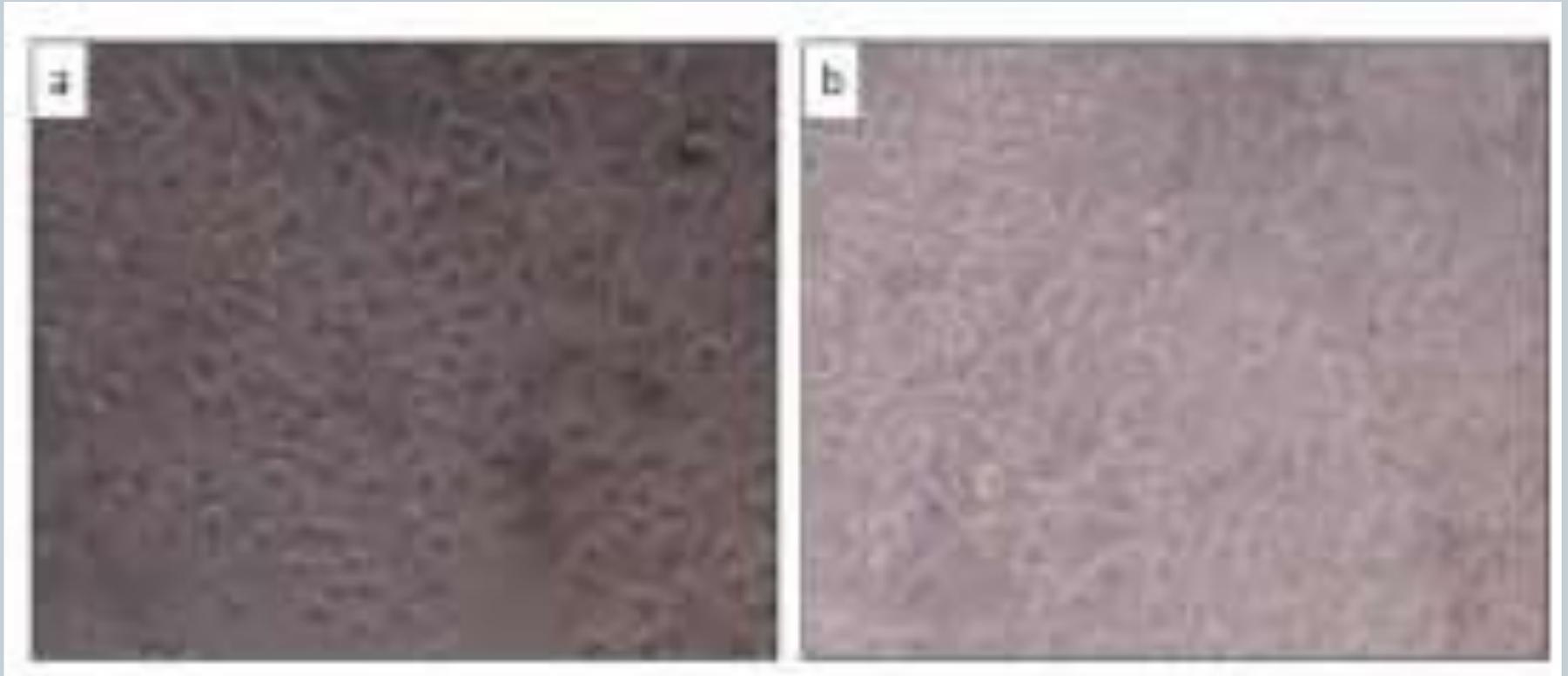
Animal house & Lab



Cryostat

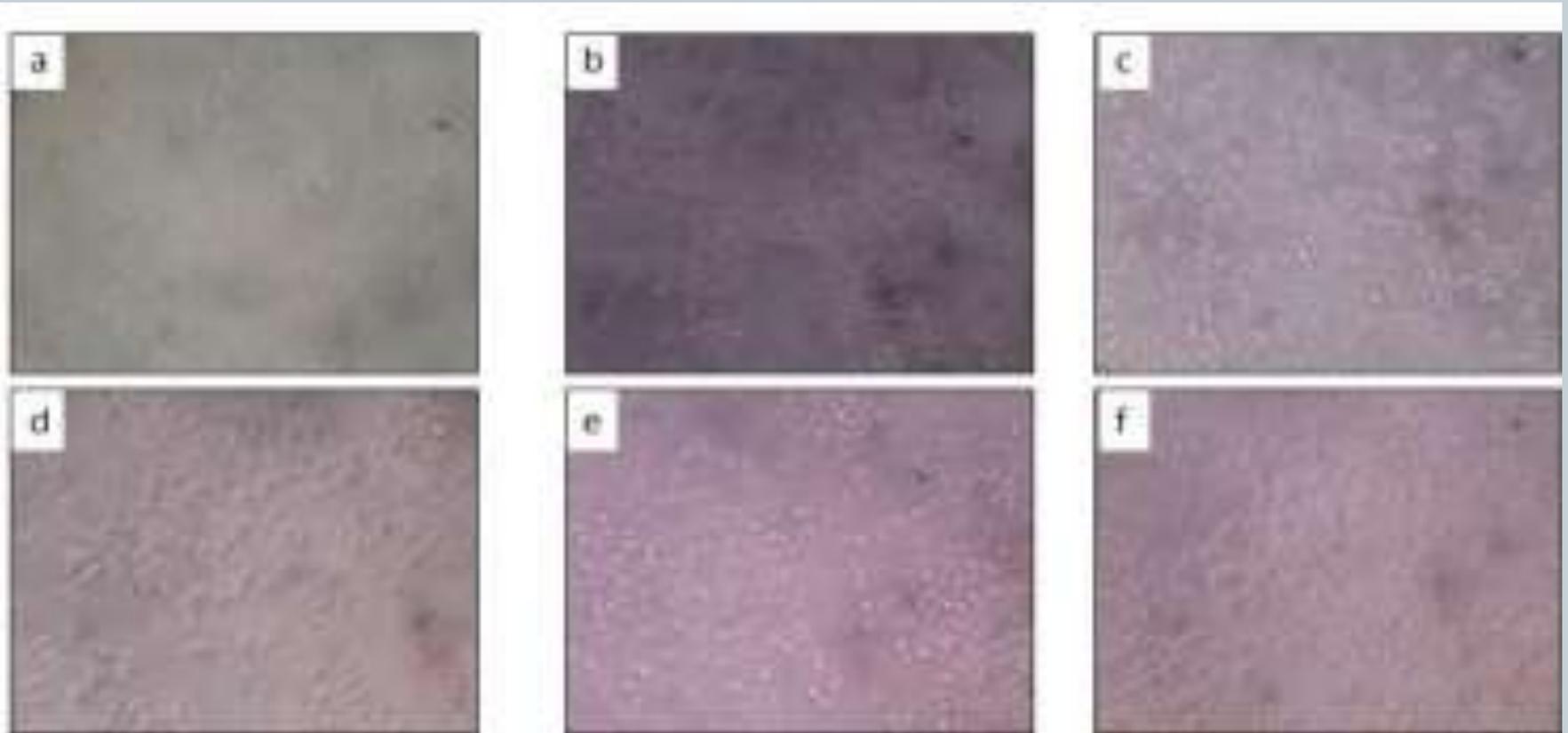


## Cells in DMSO and KB control cells



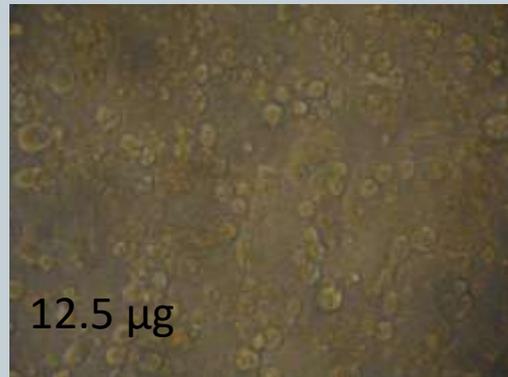
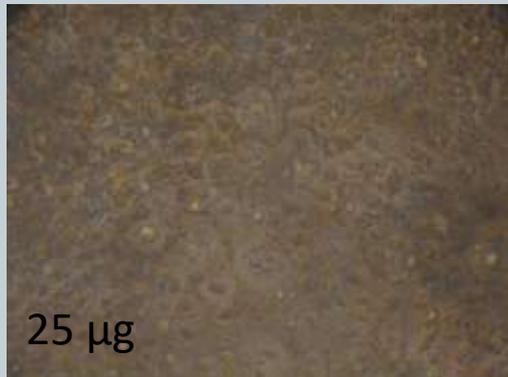
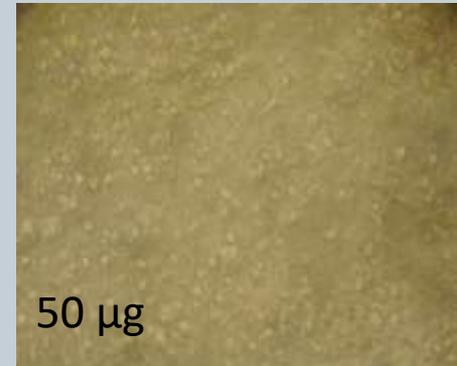
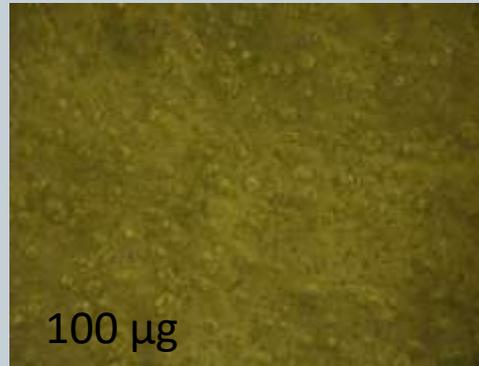
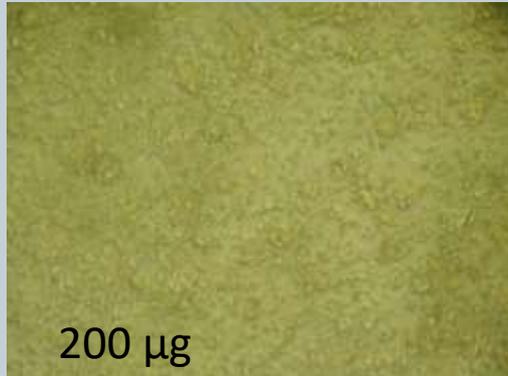
**RESEARCH PROJECTS**

# Anticancer Effect of *Plectranthus Amboinicus* and *Glycyrrhiza Glabra* on Oral Cancer Cell Line



**RESEARCH PROJECTS**

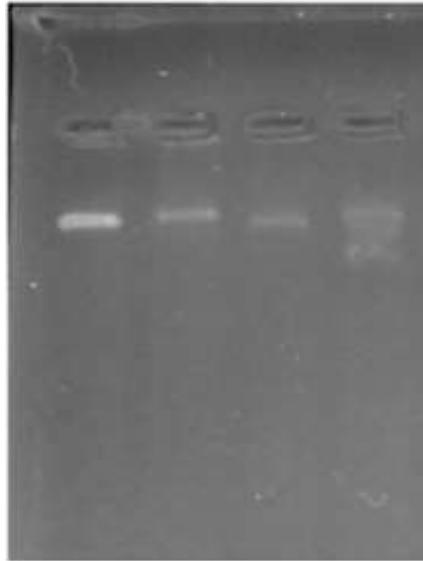
**Inverted microscope image of effect of *P. granatum* pericarp extract on KB cells.  
Reduction in the number of viable cells evident with increased sample concentration.**



**RESEARCH PROJECTS**

## Agarose gel electrophoresis image showing DNA fragmentation

1 2 3 4



**Lane 1: Control KB cells (Untreated)**

**Lane 2: Cranberry**

**Lane 3: Pomegranet fruit**

**Lane 4: Pomegranet peel**

**RESEARCH PROJECTS**