



**KLE Society's Institute of Dental Sciences, Bengaluru  
Department of Orthodontics and Dentofacial  
Orthopaedics**

**Journal Club Article Appraisal & Critiquing Form**

**Date:** 06-09-2023

**Presented by :** Dr. Shreyanka Shetty

**Citation (Author(s), year, title, Journal, volume, issue, pages):** Cornelis MA, Egli F, Bovali E, Kiliaridis S, Cattaneo PM. Indirect vs direct bonding of mandibular fixed retainers in orthodontic patients: Comparison of retainer failures and posttreatment stability. A 5-year follow-up of a single-center randomized controlled trial. American journal of orthodontics and dentofacial orthopedics. 2022 Aug 1;162(2):152-61.

**Title:**

**Merits**

- Information about the study design is a part of the title ( it is particularly important for randomized trials and systematic reviews and meta-analyses).

**Demerits**

- The number characters including letters and spaces exceeds 40 characters (as per ICMJE guidelines)
- The number of words exceeds 12-15 words ( as per RGUHS PHD guidelines)

**Abstract:**

**Merits**

- Structured abstract
- The abstract states the study's purpose, basic procedures (selection of study participants, settings, measurements, analytical methods) and the main findings .

**Demerits**

- The abstract does not includes limitations of the study.
- The trial has not been registered.

**Introduction/Background:**

**Merits**

- The background provides a context for the study (that is, the nature of the problem and its significance)..
- It states the specific purpose or research objective of, or hypothesis tested by, the study or observation.

## **Research Methodology/ Design (setting, subjects, sample, selection): Randomized control trial**

### **Merits**

- The trial design ( two arm , parallel etc ) in detail including the allocation ratio is mentioned .
- Completely defined pre-specified primary and secondary outcome measures, including how and when they were assessed is mentioned
- The details of the adhesive used in the direct & indirect bonding group along with the curing method and cycle is mentioned.
- The procedures have been described in sufficient detail to allow others to reproduce the results.
- Blinding of the investigator for cast measurements was done.

### **Demerits**

- No information regarding the race and ethnicity of the participants is provided.
- There is no comment on how representative the study sample is of the larger population of interest.

### **Variables:**

#### **Independent (Controlled):**

- Indirect bonding of mandibular fixed retainer
- Direct bonding of mandibular fixed retainer

#### **Dependent (Outcome):**

- Retainer failure
- Post treatment stability

**Confounding factors :** No information regarding the confounding factors have been mentioned

### **Data Collection & Measurement:**

#### **Statistical analysis -**

- Kaplan-Meier curves were drawn to visually compare the retainers' survival over the 5 years of the study.
- A Cox proportional hazard regression model was fitted for bonding type (direct and indirect), age, and treatment (extraction and nonextraction).
- The required model assumption of proportional hazards was tested.
- The correlation was induced between temporal records from the same subject by modelling an unstructured covariance matrix pattern, thus allowing heterogeneous variances over the 3-time points. The fitting method was restricted to maximum likelihood, and hypothesis tests used the Kenward-Roger approximation.

- Both intercanine and interpremolar distances' outcomes were modeled by marginal linear mixed models that fitted 4 prognostics: type of bonding (direct and indirect), time (T0, T2, and T5), age, and type of treatment (extraction and nonex-traction).
- To keep the overall significance level of the study at 5%, a 1-step Bonferroni correction was applied by lowering the significance level for individual outcomes; therefore, a prognostic was considered statistically significant if  $P < 0.0125$ .
- All analyses were conducted using Stata software (version 16.1; Stata-Corp, College Station, Tex).

#### **Error of the method -**

- Has been mentioned in detail

#### **Data Analysis/Results :**

##### **Merits**

- It includes the CONSORT flow diagram for allocation of participants.
- The results have been presented in a logical sequence in the form text, tables, and figures, giving the main or most important findings first.
- Numerical data for all primary and secondary outcomes have been specified in the form of absolute numbers and not only percentages.
- Separate reporting of data by demographic variables, such as age has been specified

##### **Demerits**

- Graphs are recommended to be used that have not been used here.

#### **Discussion/Clinical Implications:**

- Have been mentioned in detail

#### **Limitations of the study:**

- Have been mentioned in detail

#### **Scope for further study:**

- Has been mentioned in detail

#### **Generalisation :**

- Has been mentioned in detail

### **Merits**

- A brief summary of the main findings has been provided without repeating the data in detail.
- Implications of the findings for future research has been emphasized.
- Limitations of the study have been mentioned
- There generalisability of the trial findings is mentioned

### **Demerits**

- The influence or association of variables, such as sex and/or gender, on the findings haven't been discussed.

### **Conclusion:**

#### **Trial registration -**

The trial was not registered.

#### **Data availability -**

- The datasets generated and/or analyzed during the current study are available from the corresponding author on reasonable request.

### **Merits**

- The conclusions have been linked with the specific objectives of the study.
- Conclusions are adequately supported by the data.
- Information about where the full trial protocol can be accessed is mentioned.

### **Demerits**

- In particular, they haven't distinguished between clinical and statistical significance of the interpretations.

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**Staff-in-charge**

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**Professor & HOD**

# **KLE SOCIETY'S INSTITUTE OF DENTAL SCIENCES**

## **EUREKA- ANNUAL SCIENTIFIC FEST 2024**

### **REPORT**

#### **ON STAGE EVENTS**

Date	Events	Participants
07 May 2024	PAPER PRESENTATION	All UGs
08 May 2024	e-POSTER PRESENTATION	
09 May 2024	DEBATE	

#### **OFF STAGE EVENTS**

Date	Events	Participants
07 May 2024	INK YOUR MAXILLA	I BDS, II BDS, III BDS
	KNOT and CLOSE: The Suturing Challenge.	IV BDS, Interns
08 May 2024	FLOSS ME A STORY: Comic Writing	I BDS, II BDS
	ACRY - ART	III BDS, IV BDS, Interns
09 May 2024	INNOVATION- Table clinic	All UGs
	DENTAL PHOTOGRAPHY	All UGs

#### **LIST OF EVENTS**

##### **07<sup>th</sup> May 2024:**

12:00 pm: INK YOUR MAXILLA in Pre-Clinical Prosthodontic Lab

01:00 pm:

- ☐ Inauguration
- ☐ Introduction to Eureka!
- ☐ Address by Principal
- ☐ Vote of thanks

01:30-3:30pm: PAPER PRESENTATION

##### **08<sup>th</sup> May 2024:**

12:00pm - 01:00pm: FLOSS ME A STORY  
ACRY-ART

01:00 pm - 03:00pm: POSTER PRESENTATION

##### **09<sup>th</sup> May 2024:**

12:00pm - 01:00pm: INNOVATION

01:00 pm - 03:00pm: DEBATE

##### **Inaugration:**



**Paper presentation:**

- ☐ Topics : Of their choice
- ☐ Time limit : 5+ 2mins
- ☐ Judging criteria :

Participants	Content (10)	Presentation Skills (10)	Response to Questions (10)	Time Management (10)	Total (40)

➤ No of participants

1<sup>st</sup> year = 2

2<sup>nd</sup> year= 9

3<sup>rd</sup> year = 10

4<sup>th</sup> year =5

Interns = 4

- ☐ Prizes given to best 2 presenters per year



**E-poster:**

- On stage event
- Topics: Of their choice.
- Time limit: 2mins
- Posters in .jpeg format
- Poster ratio: 16:9, 1080p resolution. Max file size 10mb.
- Judging criteria :

Participants	Content (10)	Design (10)	Total (20)

- No. of participants

1<sup>st</sup> Year = 5  
 2<sup>nd</sup> Year = 4  
 3<sup>rd</sup> Year = 8  
 4<sup>th</sup> Year = 4  
 Interns = 2



**Debate:**



Topics:

1st Year	Should Dental students study anatomy beyond head and neck?
2nd Year	Fixed Prosthesis is better than Removable Prosthesis
3rd Year	Prevention of extension is better than Extension for prevention
4th Year	AI is a boon to dentistry
Interns	What after BDS? MDS vs General Dental Practice

- 3 members for 'for', 3 members for 'against' from each year
- 2mins of talk by each participant
- 3mins of rebuttal
- 2mins questions by judges
- Judging criteria :

Participants	Persuasion (10)	Presentation (10)	Rebuttal (10)	Response to Judges (10)	Total (40)

- Prizes given to team with best argument with the opponent per year
- No of participants:
  - 1<sup>st</sup> year= 3(For) + 3(Against)
  - 2<sup>nd</sup> year= 3(For) + 3(Against)
  - 3<sup>rd</sup> year= 2(For) + 2(Against)
  - 4<sup>th</sup> year= 3(For) + 3(Against)
  - Interns= 3(For) + 3(Against)





### Ink your Maxilla:

- Students were asked to showcase their creativity by painting on a Maxillary Edentulous cast.
- Time given: 01 hour.
- Prizes given to the best 3 paintings
- No. of participants  
2<sup>nd</sup> year: 10  
3<sup>rd</sup> Year: 03





### **Knot and Close: The Suturing Challenge**

- Participants were asked to demonstrate various suturing techniques.
- Surgeon's knot and Simple interrupted suture was to be done.
- Time Limit: 15 minutes
- No of participants  
4<sup>th</sup> year: 02



## Floss me a Story: Comic Writing

- Participants were asked to sketch a comic related to dentistry.
- Time given: 1 hour
- No. of participants
  - 1<sup>st</sup> year: 04
  - 2<sup>nd</sup> year: 02



## Acry-Art

- Participants were asked to create an art using Resin based acrylic material.
- Time given: 01 hour
- No of participants:
  - 3<sup>rd</sup> year: 06
  - 4<sup>th</sup> year: 03



**Innovation:**

Maximum of 4 participants

- ❑ Table dimension of 6' x 3'
- ❑ Prizes given to best presenter.
- ❑ Judging criteria:

Participants	Novelty/ Innovation (10)	Explanation (10)	Clinical Significance (10)	Total (30)

➤ No of participants:

2<sup>nd</sup> year= 4

3<sup>rd</sup> year= 2

4<sup>th</sup> year= 2



### Dental Photography:

- Participants were asked to submit their entries.
- Topic: Behind the scenes in dentistry
- 2 best entries were given the prizes.



**Certificate:**



**KLE Society's Institute of Dental Sciences**  
Bengaluru- 560022

**CERTIFICATE  
OF APPRECIATION**

**EUREKA- 2024**

This is to certify that \_\_\_\_\_ has participated in  
\_\_\_\_\_ on the topic \_\_\_\_\_  
\_\_\_\_\_ and has secured \_\_\_\_\_ place  
in the scientific fest, conducted from May 07th to May 09th 2024.

 <b>Dr. Srivatsa G</b> Principal KLEDC	 <b>Dr. Praveen B N</b> Vice Principal KLEDC	 <b>Dr. Rohit Shetty</b> Head, Student Welfare Committee	 <b>Dr. Shubhashini A R</b> Chairman, Scientific Committee	 <b>Dr. Rupali Karale</b> Scientific Coordinators	 <b>Dr. Haripriyanka K Raj</b> Scientific Coordinators
		 <b>Ankith V</b> Scientific Secretary	 <b>Bharathisha.N</b> General Secretary		



**KLE Society's Institute of Dental Sciences**  
Bengaluru- 560022

**CERTIFICATE  
OF PARTICIPATION**

**EUREKA- 2024**

This is to certify that \_\_\_\_\_ has participated in  
\_\_\_\_\_ on the topic \_\_\_\_\_  
\_\_\_\_\_ during the scientific fest,  
conducted from May 07th to May 09th 2024.

 <b>Dr. Srivatsa G</b> Principal KLEDC	 <b>Dr. Praveen B N</b> Vice Principal KLEDC	 <b>Dr. Rohit Shetty</b> Head, Student Welfare Committee	 <b>Dr. Shubhashini A R</b> Chairman, Scientific Committee	 <b>Dr. Rupali Karale</b> Scientific Coordinators	 <b>Dr. Haripriyanka K Raj</b> Scientific Coordinators
		 <b>Ankith V</b> Scientific Secretary	 <b>Bharathisha.N</b> General Secretary		

# KLE INSTITUTE OF DENTAL SCIENCES, BANGALORE

## Department of Oral Pathology & Microbiology

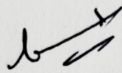
### CIRCULAR

Date : 13.03.24

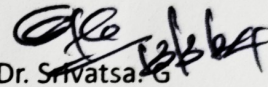
National Oral Pathology Day, will be held on 16<sup>th</sup> of March, 2024, in the college auditorium from 10 am. All students are requested to participate in the same.



Pavitra C.  
Head, Dept of Oral Pathology



Dr. Madhu.K  
NAAC Coordinator



Dr. Srivatsa.G  
Principal & NAAC Chairman

PRINCIPAL  
K.L.E. SOCIETY'S  
INSTITUTE OF DENTAL SCIENCES  
BANGALORE





**KLE Society's Institute of Dental Sciences**

Yeshwanthpur Suburb, Bengaluru-560 022



**DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY**

**cordially invites you all for the**

**NATIONAL ORAL PATHOLOGY DAY**

**16<sup>th</sup> March 2024**

**EVENTS**

1. PAINT-0-PATH: TILE PAINTING.
2. REMEMBER IT MY WAY!!- The mind maps...
3. TABOO TO TRUTH: Street Play.

**Details enclosed in the RULES and REGULATION .pdf**



**KLE Society's Institute of Dental Sciences**  
**DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY**  
**NATIONAL ORAL PATHOLOGY DAY-2024**



## **RULES AND REGULATIONS**

### **1. PAINT-O-PATH: Tile Painting**

- Run your brush strokes by painting cells, patterns and more.
- Duration: 1 hour.
- Solo event
- Participants will pick chits for the topics from the oral pathology department before 14.03.2024 (Thursday)
- The event will be conducted from 9am to 12pm in the Oral Pathology Department.
- White Tile (6x6inch) will be provided by the department.
- Painting materials should be brought by the participants.

### **2. REMEMBER IT MY WAY !!!**

We all remember syndromes, pathogenesis, classifications in our own way through mnemonics, stories, scenarios, etc. Here's a competition to display the tricks and tips to remember.

- Create a mnemonic/Scenario for a topic of your choice related to DADH/Oral Pathology - Either pen it/digitalise it.
- Submit your entries to the department before 15.03.2024 by 03.30p.m
- Group of 2 members

### 3. TABOOS TO TRUTH: Street Play

Inviting budding minds to present a street play on the theme 'Taboo to Truth'. Showcase how would you erase the myths and imprint the facts.

- Topics (each team should choose any one topic)
  - i. Tobacco Cessation
  - ii. Causes for Cleft Lip and Cleft Palate.
- Venue: Auditorium
- Duration: 10 minutes per team.
- Languages: English, Kannada, Hindi.
- Judging Criteria
  - i. Creativity
  - ii. Team Work
  - iii. Humour
  - iv. Clarity of Message
  - v. Props

**KLE INSTITUTE OF DENTAL SCIENCES,  
BANGALORE**

**Oral Pathology Day Program – Report**

**Date:** 16<sup>th</sup> march, 2024

**Venue:** KLE Institute of Dental

Sciences, Auditorium

**Title:**

Oral Pathology Day Program

**Event:**

Scientific Program

**Department /Collaboration:**

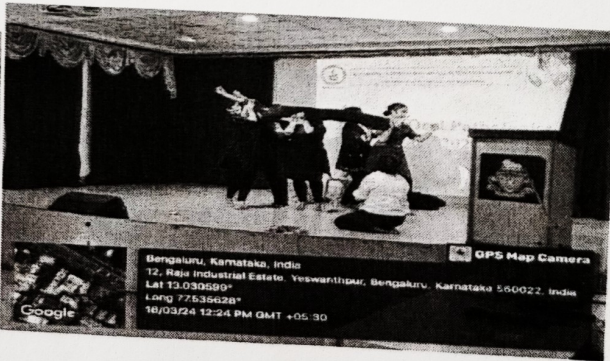
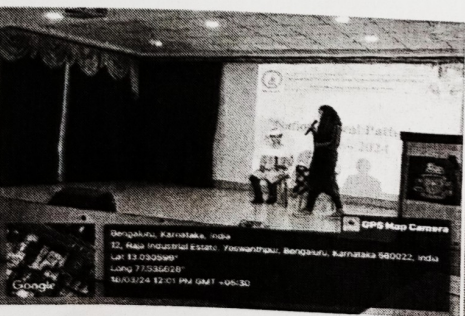
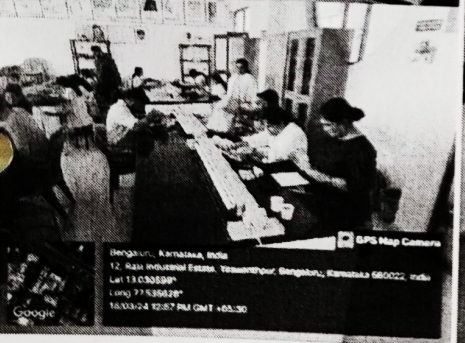
Department of Oral Pathology

**Remarks:**

The Oral Pathology Day was celebrated at KLE Institute of Dental Sciences on 16<sup>th</sup> march, 2024 with utmost zeal and enthusiasm. The program was designed to help students explore their knowledge and incorporate their skills in a creative manner. The program was conducted in the spirit to make education and learning more fun and interesting.

The Event commenced by the enigmatic speech delivered by Principal of the Institution, Dr. Srivatsa G. , who delivered words of wisdom and inspired all the students and staff alike to engage in the pursuit of knowledge.

A plethora of events were organized by the Department of Oral Pathology, which involved exploring the colorful world of Oral Pathology and Histology in an engaging manner.

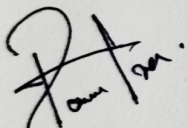


The students participated in events like 'PAINT-O – PATH: TILE PAINTING', in which students from all batches meticulously painted the canvas of tiles to demonstrate the staggering histology of various pathologies.

The students exhibited their intelligence and creativity in an excellent channel showcasing alternate methods of learning , designed by the staff in the event , 'REMEMBERIT MY WAY- THE MIND MAPS' , to allow the students to utilize and incorporate alternate styles of learning into their routine.

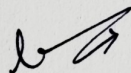
The last event of the day was organized incorporating the flair of age old method of Street plays to deliver impactful and mindful messages to society via the event 'TABOO TO TRUTH: STREET PLAY' in which students depicted with panache and elegance original plays delivering mindful messages on the topic of **TOBACCO CESATION**.

The day was a staggering and awe-inspiring success to advocate and to generate awareness for Oral Pathology made possible by the creative and diligent minds and efforts of the meticulous staff of the department of Oral Pathology- Dr. Pavitra C., Dr. Satyajit and Dr. Madhumita.



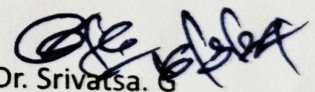
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