

DEPARTMENT OF PUBLIC HEALTH DENTISTRY Post Graduate Session Reports Reports for Week 3 (15.06.2020 to 20.06.2020)

S.NO	Date	Lecture Topic	Faculty	PG's
1.	15.06.2020	S1-Measures of Central Tendency	Dr. Jagannath G V	DrNiveditha
				DrSujatha
		S2 – Measures of Dispersion	Dr.Jagannath G V	Dr.Sujatha
2.	16.06.2020	S1-	Dr. Jagannath.G.V	DrSujatha
		Data Distribution		
		S2-	Dr. Jagannath.G.V	DrSujatha
		Sampling	S	,
3.	17.06.2020	S1-Probablity Sampling	Dr. Jagannath.G.V	DrSujatha
		S2-Non Probablity Sampling	Dr. Jagannath.G.V	DrSujatha
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4.	18.06.2020	S1- Revision of Biostatistics	DrJagannath .G.V	DrSujatha
		S2-Critical appraisal of scientific	DrJagannath G.V	DrSujatha
		research	Divagaman G. V	Diodjania
5.	19.06.2020	S1- Seminar on Pain	Dulo connoth C V	DeCuiatha
5.	19.06.2020	S1- Seminar on Pain	DrJagannath G.V	DrSujatha
6.	20.06.2020	S1-Study designs	Dr.Jagannath GV.	DrSujatha
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e-DISCUSSION FOR POSTGRADUATES

Date:15-06-2020

Session I: 10.45 am - 11.30 am

Faculty: Dr. Jagannatha G.V

PG Students: Dr.Sujatha Devi

Dr.Niveditha

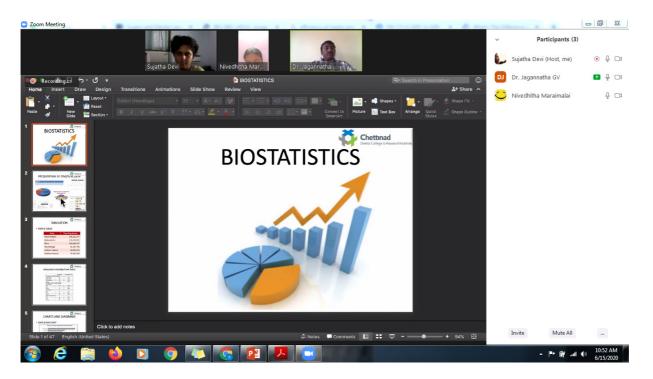
Total No of PG Students: 2/2

Discussion topic: Biostatistics

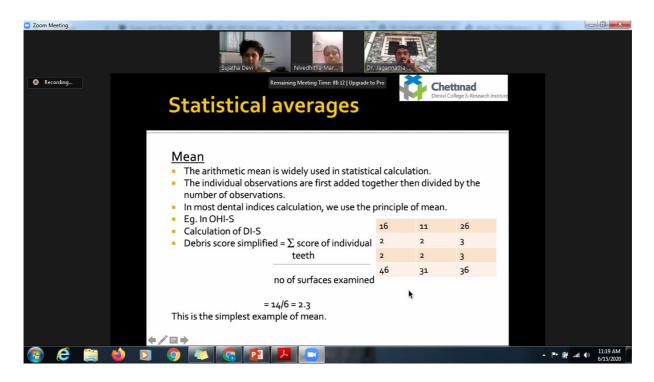
Sub Topic : Measures of central tendency

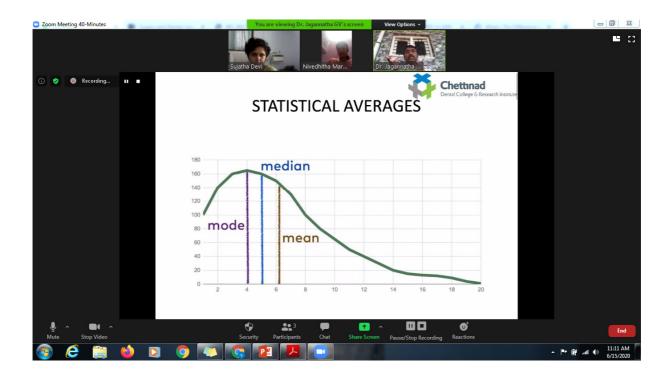
Summary:

A brief introduction about the various measures of tendency Mean, Median and Mode were explained. What is central tendency, its importance in measurements were briefed about. Mean, Median ,Mode its differences, explanation, how they are calculated were explained with suitable examples. The advantages and disadvantages, its formula for calculation were also explained. The difference between sample mean and population mean, its difference, use, ways of measurement and expression were also explained.











e-DISCUSSION FOR POSTGRADUATES

Date:15-06-2020

Session II: 5.30pm- 6.30 pm

Faculty: Dr. Jagannatha G.V

PG Students: Dr.Sujatha Devi

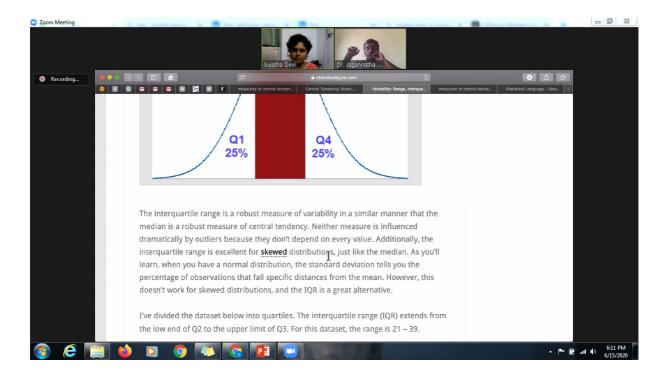
Total No of PG Students: 1/2

Discussion topic: Biostatistics

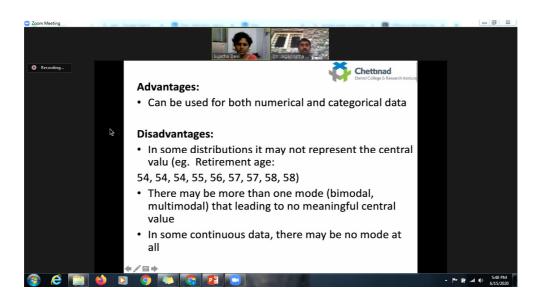
Sub Topic : Measures of Dispersion

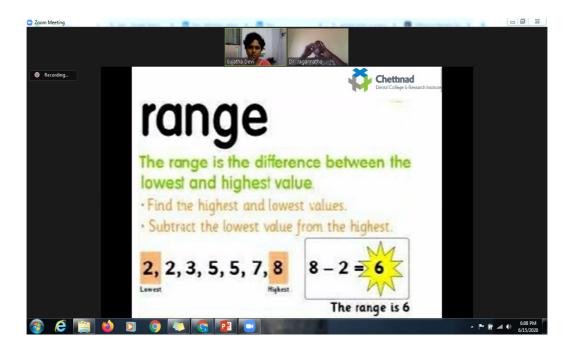
Summary:

The difference between central tendency and measures of dispersion was explained, the different types of measures of tendency like standard deviation, variance and mean deviation and range were explained in brief. The definition of standard deviation, mean deviation, variance, how to measure them, their use in analysis were explained with examples, the formulae for calculation, its advantages and disadvantages were also briefed about, the sample variance and population variance and its metho of calculation and uses were briefed about.

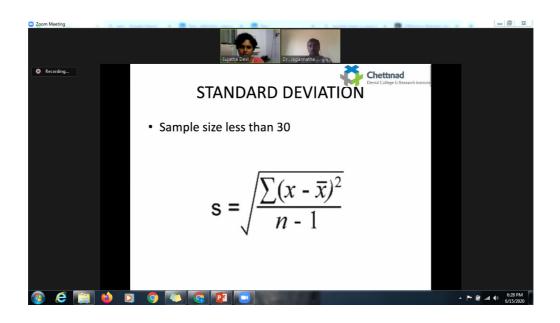


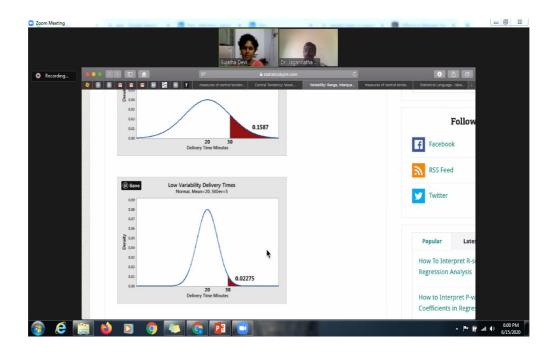














e-DISCUSSION FOR POSTGRADUATES

Date:16-06-2020

Session I: 10.45 am - 11.30 am

Faculty: Dr. Jagannatha G.V

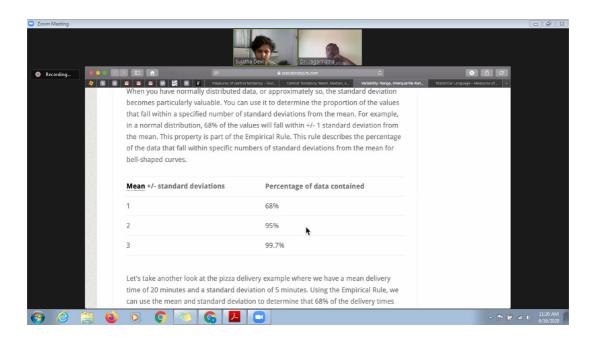
PG Students: Dr.Sujatha Devi

Total No of PG Students: 1/2

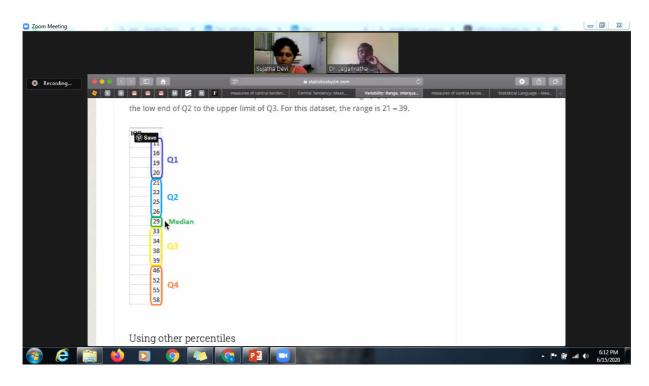
Discussion topic: Data distribution types - Normal and Skewed

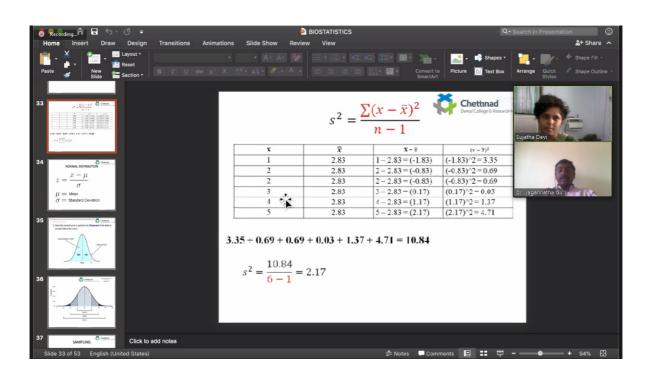
Summary:

A brief recap about the measures of central tendency and measures of dispersion was given. The different types of data distribution normal type and skewed type were explained in brief. The normal distribution, the chances of getting a normal distribution high in biological variables and in large population was explained.the various parameters used to measure normal, skewed, continuous and discrete data were explained in brief. The concept of inflection point was explained in brief with suitable examples.











e-DISCUSSION FOR POSTGRADUATES

Date:16-06-2020

Session II: 1.15 pm – 2pm

Faculty: Dr. Jagannatha G.V

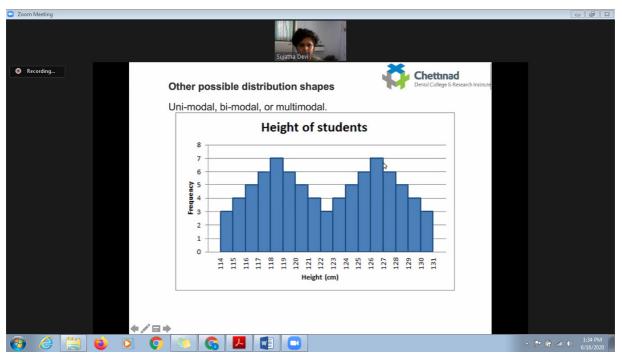
PG Students: Dr.Sujatha Devi

Total No of PG Students: 1/2

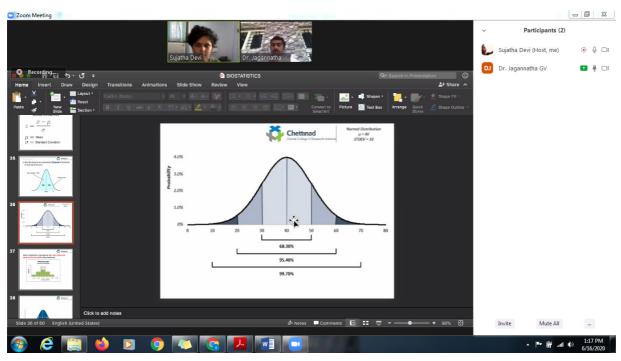
Discussion topic: Sampling

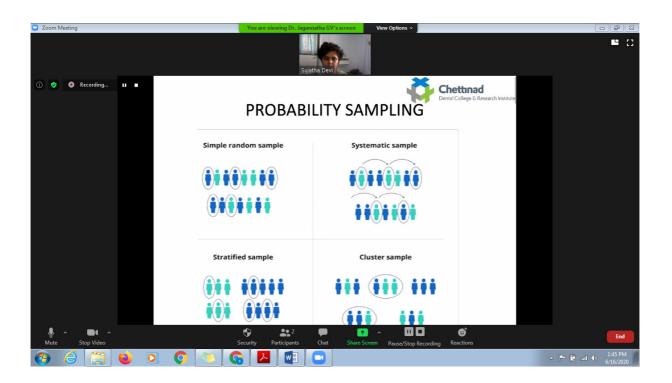
Summary:

A brief explanation about the characteristics of normal curve and skewed curve were explained, the concept of three signa or empherical rule, its practical implications were explained with suitable examples. What is a sample, the necessacity of obtaining a sample was expained. The characteristics of a sample and the basic steps in obtaining a sample like selecting a population, selecting sample frame and then selectina a sample was explained with suitable examples. The different types of sampling methods of probablity and non probablity sampling were explained. Simple random sampling was explained in brief with suitable examples.

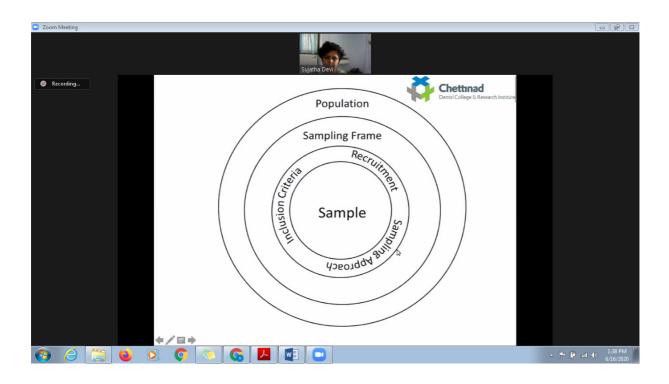
















e-DISCUSSION FOR POSTGRADUATES

Date:17-06-2020

Session I: 10.45 am - 11.30 am

Faculty: Dr. Jagannatha G.V

PG Students: Dr.Sujatha Devi

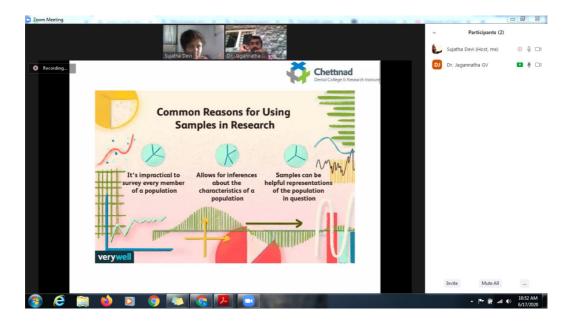
Total No of PG Students: 1/2

Discussion topic: Sampling

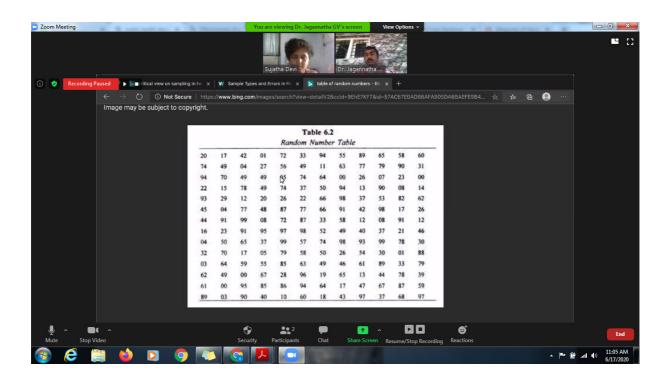
Sub topic : Probability sampling – Systemic, Stratified And Cluster methods

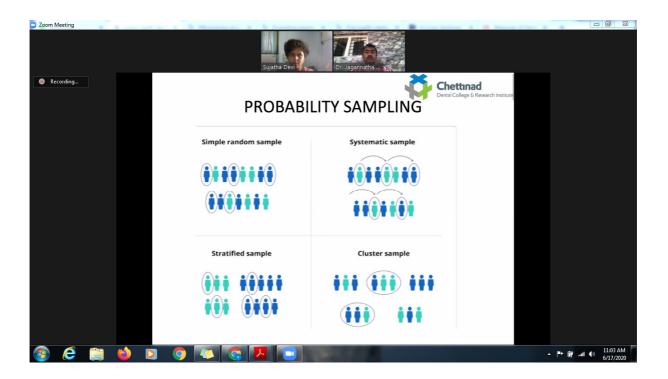
Summary :

A brief recap of sampling was given. The main reasons why a sample is necessary was explained. The implications of over estimation and under estimation was briefed about. The table of random numbers was explained with suitable examples. The systemic sampling, stratified sampling and cluster sampling were explained in brief. The method by which the data is obtained in these methods, the advantages and disadvantages of the obtained data were explained with suitable examples.











e-DISCUSSION FOR POSTGRADUATES

Date:17-06-2020

Session II: 1.15pm-2pm

Faculty: Dr. Jagannatha G.V

PG Students: Dr.Sujatha Devi

Total No of PG Students: 1/2

Discussion topic: Sampling

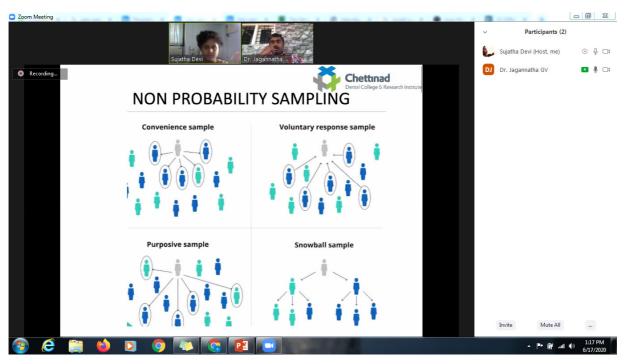
Sub topic :Non Probability sampling – Convenience, Purposive , Quota, Judgement,

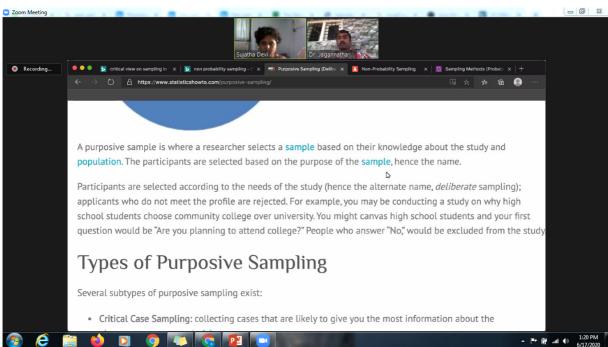
Snow ball sampling

Summary:

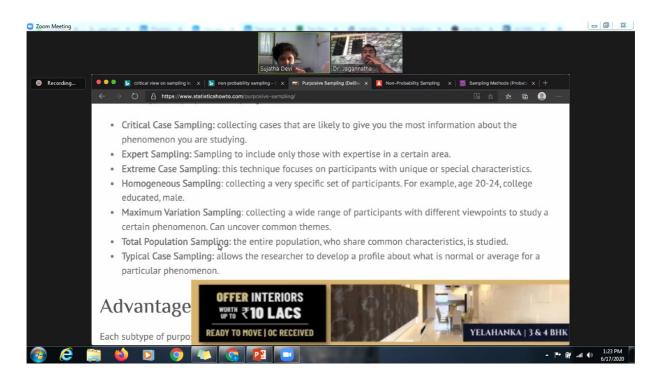
The various methods of non probablity sampling like convenience sampling, purposive, quota, judgement, multi phase, multi stage and snow ball sampling was briefed about. The different names of non probablity sampling like accidental, oppourtunity and grab sampling was explained. The different types of purposive sampling like expert, extreme case, homogenous, maximum variation,total population, typical cases were explained with suitable examples. The methods of collecting data., advantages and disadvantages were explained in brief. The Articles using various methods of sampling were discussed.

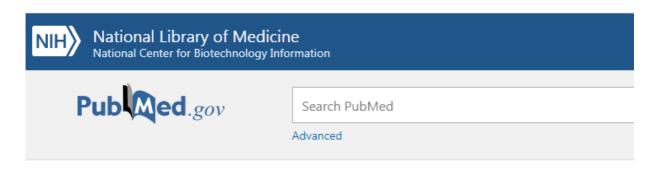












> Indian J Dent Res. Nov-Dec 2018;29(6):726-731. doi: 10.4103/ijdr.JJDR_221_17.

A Cross-Sectional Study on Eruption Timing of Primary Teeth in Children of Mysore, Karnataka

Mysore Devraj Indira ¹, Nandlal Bhojraj ¹, D Narayanappa ²
Affiliations + expand

DMID: 20E00000 DOI: 10.4102/84-TIDD 221.17



Oral health-related knowledge, attitude and practices among eunuchs (hijras) residing in Bhopal City, Madhya Pradesh, India: A cross-sectional questionnaire survey

Sudhir Hongal, Nilesh Arjun Torwane, [...], and Shubham Jain

Additional article information



Effectiveness of a School-Based 'Tobacco Free' Intervention on Adolescents' Knowledge and Exposure to Second Hand Tobacco Smoke - A Multiphase Study

Ashwini Rao, Unnikrishnan B, [...], and Nikita Rungta

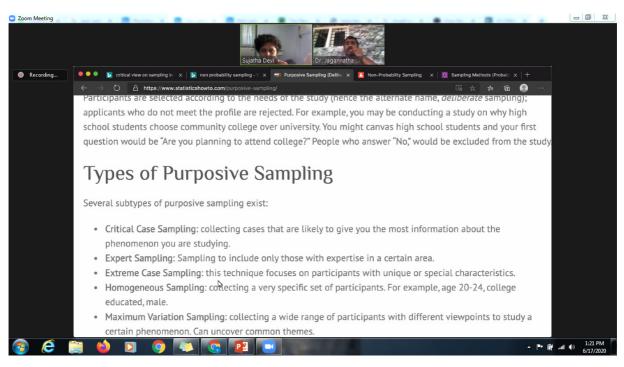
Additional article information

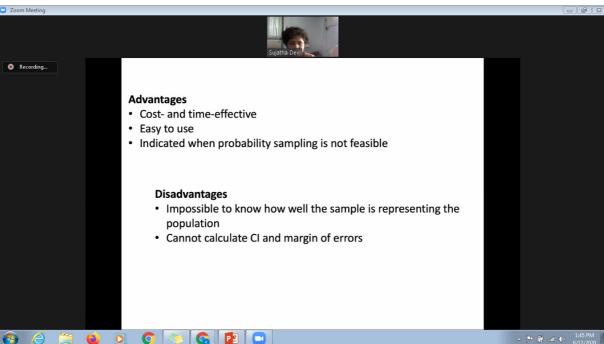


Promoting parenting strategies to improve tooth brushing in children: design of a non-randomised cluster-controlled trial

Maddelon de Jong-Lenters, Monique L'Hoir, [...], and Denise Duijster









e-DISCUSSION FOR POSTGRADUATES

Date:18-06-2020

Session I: 11 am - 11.45 am

Faculty: Dr. Jagannatha G.V

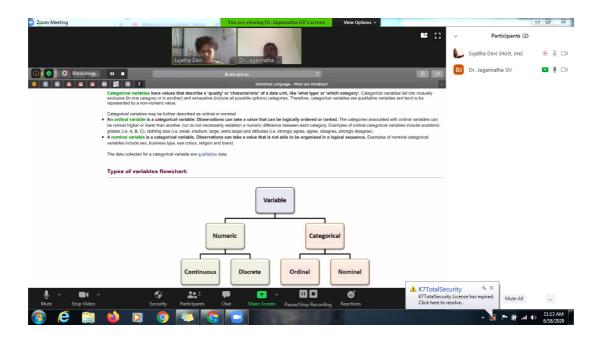
PG Students: Dr.Sujatha Devi

Total No of PG Students: 1/1

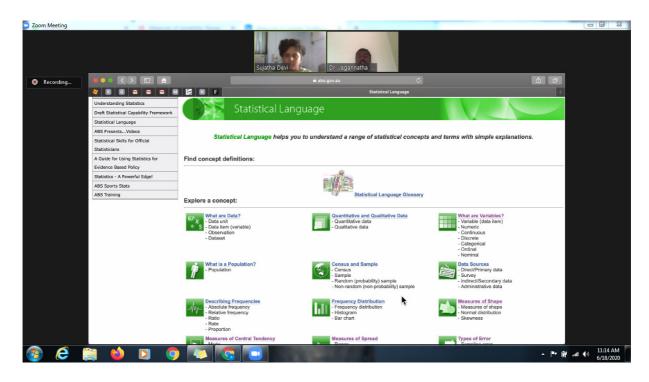
Discussion topic: Revision of Biostatistics

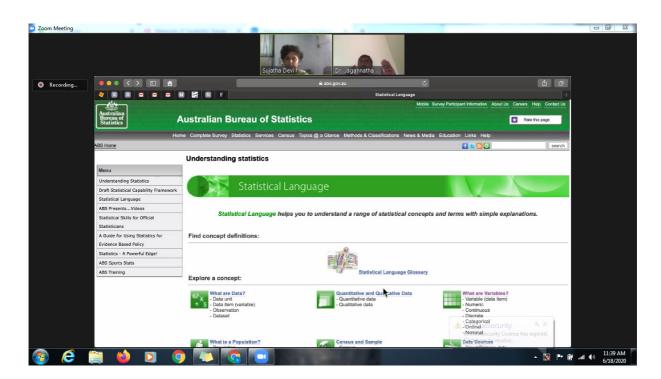
Summary:

A brief revision about what id data, the dufferent types of data like qualitative data, quantitative data was done. The difference between discrete and continuous data was revised with suitable examples. the different scales of data like the nominal scale, ordinal scale, interval and ratio were also revised with examples. The various types of representation of data like tabulation, graph, bar graph, multiple bar graph, stacked bar graph, histogram, frequency curve, line graph, scatter diagram, pictogram, map and pie diagram was revised. The representation of data, its advantages, implications and disadvantages were revised.











e-DISCUSSION FOR POSTGRADUATES

Date:18-06-2020

SessionII: 5pm – 5.45 pm

Faculty: Dr. Jagannatha G.V

PG Students: Dr.Sujatha Devi

Total No of PG Students: 1/1

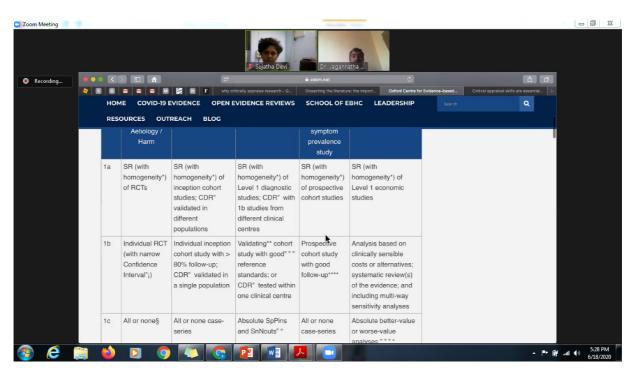
Discussion topic: Critical appraisal of scientific research

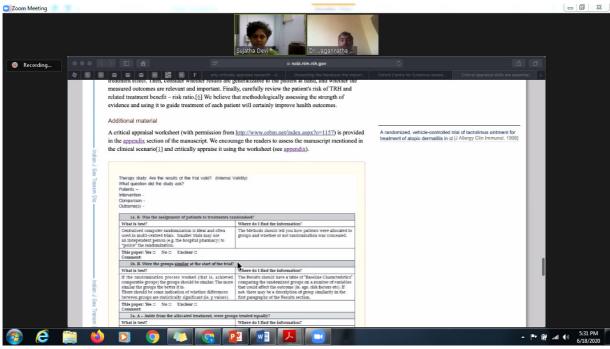
Summary:

A brief discussion about the necessity to do a critical appraisal was explained, the uses of it like the addressing of the error in the study, reducing the information overload by eliminating the irrelevant and weak studies, identifying relevant information, distinguishing evidence from opinion, belief, assumption and mis reporting, assessment of validity, assessment of usefulness in clinical practice, recognition of potential bias were explained in brief. The difference between statistical significance and clinical significance was explained with suitable articles and references.



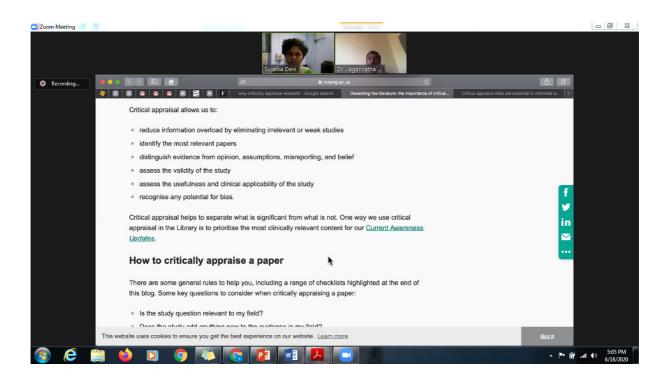




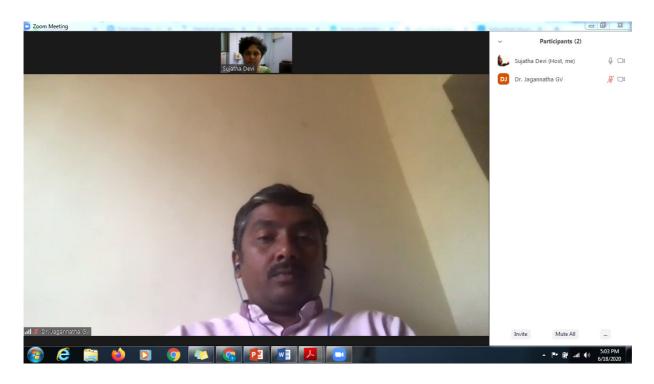


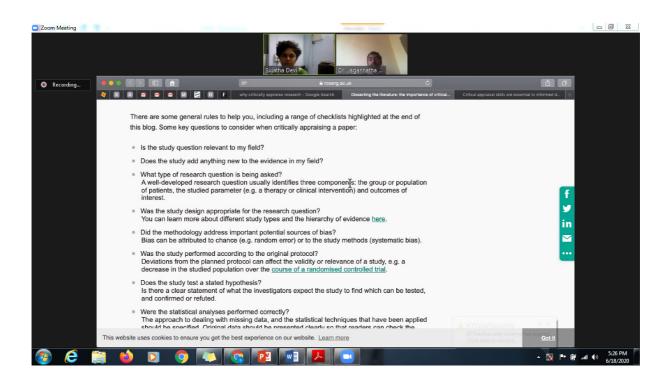














e-DISCUSSION FOR POSTGRADUATES

Date: 19-06-2020

Session I: 10.45 am - 11.30 am

Faculty: Dr. Jagannatha G.V

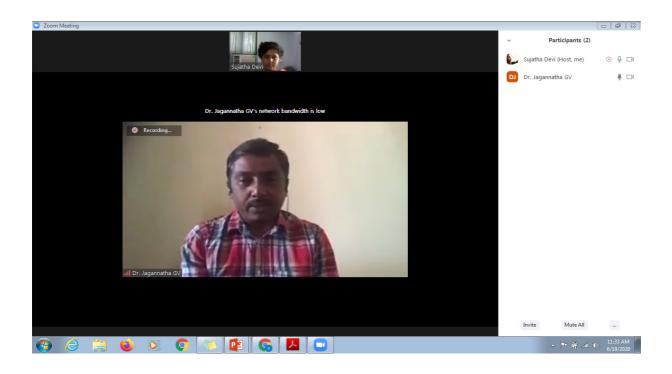
PG Students: Dr.Sujatha Devi

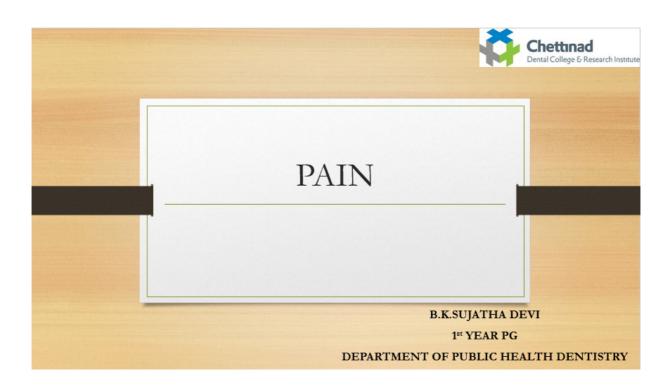
Total No of PG Students: 1/1

Seminar topic: Pain Summary :

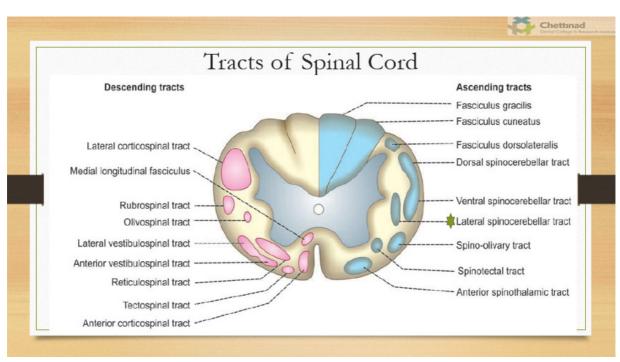
The classification of sensations, definition of pain , receptors of sensory stimuli were explained in brief. The the classification of nerve fibres, the structure and neurons of spinal cord and its tracts were briefed about. The pathway of pain transmission from the stimuli to the brain , the mechanism of first order, second order and third order neurons were explained in brief. The definition of action potential, its generation, resting membrane potential were explained, the steps in progression of the signal like transduction, conduction, transmission, modulation and perception , neurotransmitters, neuro modulators was also explained, the concept of gate control theory , classification of pain and different scales to measure pain were also briefed about, the ways to improve the seminar by adding theories of pain transmission, giving examples for the pain classifications, briefing about the mnagement of dental pain and the pretical limitations experienced by the dentists in treating pain were suggested.

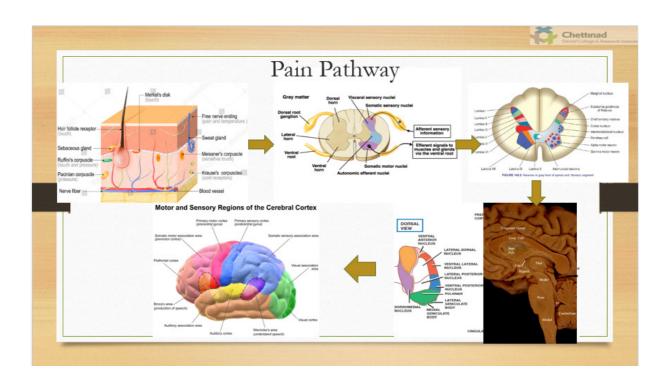




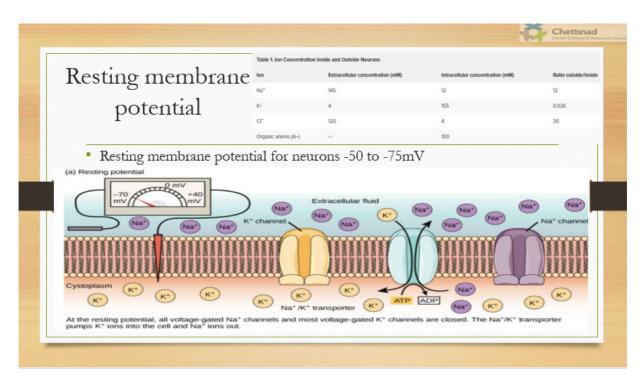


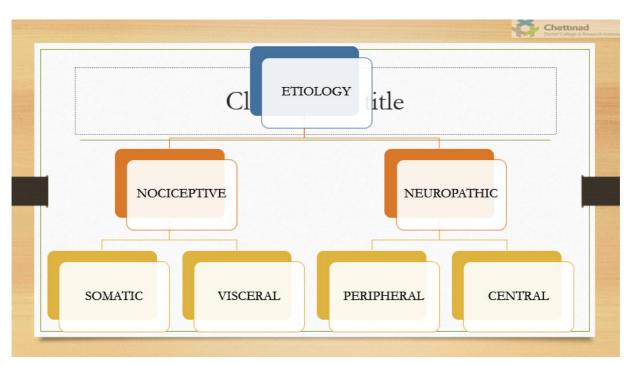














e-DISCUSSION FOR POSTGRADUATES

Date:20-06-2020 **Session I: 6pm – 7pm**

Faculty: Dr. Jagannatha G.V

PG Students: Dr.Sujatha Devi

Total No of PG Students: 1/1

Discussion topic: Critical appraisal of scientific research Part 2

Sub topic : Study designs

Summary

A brief discussiion about the steps in analysis of the study design was give. What is an exposure, what does assigning exposure mean was explained. The analysis of how to identify the study design like whether the exposure was done by the investigator, whether the samples were randomly assigned or not, whether a control group was chosen or not were explained. the concept of a positive control group and negative control group was explained. the concept of allocation concealment was also explained. the need and importance of a discriptive study was also explained.



