

ONE DAY WORKSHOP
ON
“IMPORTANCE OF BIOSTATISTICS IN RESEARCH”

13th March 2020

FINAL REPORT

Organised by:

Dept of Pharmacy Practice
KLE College of Pharmacy, Belagavi-590010

Venue:

KLE College of Pharmacy seminar Hall,
Belagavi

Convener

Prof (Dr) Sunil S Jalalpure
Principal
KLE College Of Pharmacy, Belagavi

Programme Co-Ordinator:

Prof (Dr) M S Ganachari
HOD Dept Of Pharmacy Practice
KLE College Of Pharmacy, Belagavi

Objectives:

The main objective of workshop is to have an knowledge on application & importance of biostatistics in research.

Date & Venue:

The workshop took place on 13th March 2020 at KLE college of Pharmacy Seminar Hall, Belagavi, Karnataka.

Coordinators (Department of Pharmacy Practice)

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| 1) Prof (Dr.) M S Ganachari, Professor & Head | 2) Mrs. Shashikala Wali, Asst. Professor. |
| 3) Mrs. Geetanjali S Salimath, Asst. Professor. | 4) Ms. Manjula G, Asst. Professor. |
| 5) Dr. Satish Karoli, Asst. Professor. | 6) Mr. Ashish Singh Parihar, Asst. Professor. |
| 7) Dr. Anushree Deshpande, Asst. Professor. | 8) Mr. D. Revana Siddappa, Asst. Professor. |
| 9) Dr. Sowmya spoorthi M, Asst. professor | 10)Dr. Ramesh Bhandari, Asst. professor |
| 11) Ms. Aishwarya C Hiremath, Asst. Professor | 12) Mr. Uday Kumar PhD. Research Scholar |

Participants:

The workshop was attended by 5th year Pharm. D & M pharm. students

Total Participants= 59

5th & 6th year Pharm. D = 27 MSc (Clinical research)= 09

M pharm (Pharmacy practice& Pharmacology) = 13

Staff= 10



Welcome address was given by Prof (Dr) M S Ganachari sir and introduced the chief guest & speakers for workshop. Sir provided the brief introduction and overview of one day workshop. Prof (Dr) Sunil Jalalpure sir gave the key note address on how biostatistics is important in research, which is needed in research to draw conclusions. He also briefed about the significance of biostatistics as it helps in determining the proper sample size in research & how it impacts on research especially in Pharmacy Practice & Pharmacology dept.





1st session Speaker: Dr S B Javali

Topic : Parametric tests of significance in Pharmaceutical Research



Dr S B Javali emphasized on how statistics plays a crucial role in research, planning and decision-making in the health sciences. Progress in technologies and continued research in computational statistics helps us to implement sophisticated mathematical models within software which can be handled by non-statistician researchers like students. The importance of hypothesis in research that how it helps us to draw conclusions was explained. Significance of P value in the research & various application of statistics was briefed out by Dr. Javali.



2nd session by Dr Ashish Singh Parihar

Topic:Importance of SPSS in health research

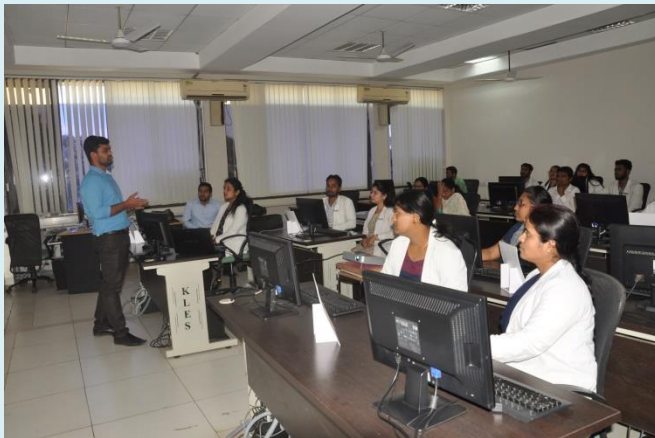


The session was about mainly basic demo of SPSS software which helps us in complex statistical data analysis. The various input features of this software was explained. The software helps researchers to avoid routine mathematical mistakes and produce accurate figures in their research if they input all data correctly. Sir emphasized on importance of data collection as well that how it helps in interpretation of data.



3rd Session by Mr chetan B J

Topic: sigma plot software hands on training



Last session was very interesting and beneficial for everyone as it was a hands on training programme. Sir explained about handling of sigma plot software. The software is very easy to use and reliable. He demonstrated the various parametric test calculation like t-test, correlation analysis, regression analysis etc and how to interpret it graphically as well. He also provided information regarding trial version of this software.



Valedictory function:

All the sessions were concluded with certificate distribution to the resource persons & participants.

The workshop was beneficial for PG students & the students who are doing projects which will guide them in analysing their data collected during their project work.



IMPORTANCE OF BIOSTATISTICS IN RESEARCH

Department of Pharmacy Practice

KLE College of Pharmacy, Belagavi – 590010

KLE Academy of Higher Education and Research (KAHER), Belagavi.

Inauguration: Minute to Minute Programme

13th March 2020 (Friday)

SL NO	EVENTS	Timings
1.	Invocation Song	10:00-10:05AM
2.	Welcome Address and programme overview Prof. (Dr.) M S Ganachari Professor & Head Department of Pharmacy Practice, KLE College of Pharmacy, KAHER, Belagavi	10:05-10:10AM
3.	Presentation of Bouquet	10:10-10:20 AM
4.	Inaugural ceremony by lighting of Lamp	10:20-10:25 AM
5.	Inaugural address by Chief guest Prof. (Dr.) Sunil. S. Jalapure Principal, KLE College of Pharmacy, KAHER, Belagavi	10:25-10:30 AM
6.	Vote of thanks Mrs.Geetanjali. S. Salimath Asst. Professor Department of Pharmacy Practice, KLE College of Pharmacy, KAHER, Belagavi	10:30 -10:35 AM

One day Workshop

On
Importance of Biostatistics in Research
Department of Pharmacy Practice,
KLE College of Pharmacy, Belagavi – 590010
KLE Academy of Higher Education and Research (KAHER), Belagavi.

PROGRAMME DETAILS

Objectives: Biostatistics is involved in every step of **research** including trial design, protocol development, and data management and monitoring, data analysis and clinical trial reporting.

- **Statistical** knowledge helps to use the proper methods to collect the data,
- Employ the correct data analysis and effectively present the results.
- **Statistics** is a crucial process behind how make decisions based on data, and make predictions in Research.

- **SCHEDULE**
(Friday)

13/03/2020

SL. NO.	EVENTS	SPEAKERS	TIMINGS
1.	<u>Inaugural function:</u> Welcome Address and Program overview by,	Prof (Dr) M S Ganachari Professor & Head, Department of Pharmacy Practice, KLE College of Pharmacy, Belagavi.	10:00 – 10:30am
2.	Key note address by,	Prof (Dr) Sunil. S. Jalalpure Principal, KLE College of Pharmacy, Belagavi	10:30 – 10:45am
	Tea Break		10:45 – 11:00am
3.	Parametric tests of significance in Pharmaceutical research	Dr. S. B. Javali, Associate Prof. of statistics, Dept. of Community Medicine, USM-KLE, International Medical School, Nehru Nagar, Belagavi-590010	11:00 – 12:00pm
4.	Importance of SPSS in health research	Mr.Ashish Singh Parihar Asst. Prof, Department of Pharmacy Practice.	12.00- 13.00pm
	Lunch Break		13:00 – 14:00pm
5.	Sigma plot software hands on training in health research	Mr.Chetan B J Technical Associate Starcom information technology limited, Bengaluru	14:00 – 16:00pm
6.	Followed by, Valedictory function		16:00pm