



Dr. Ram Manohar Lohia Institute of Medical Sciences
Vibhuti Khand, Gomti Nagar, Lucknow-226010

Ph No.(0522) 4918504,6692000 Fax No.- 0522- 4918506, Website- www.drrmlims.ac.in

E-mail: deanrmlims@gmail.com

Ref.No: 137 /Dean/RMLIMS/2017

Date: 17.10.2017

To,

1. HOD, Anaesthesiology
2. HOD Cardiology
3. HOD, CTVS
4. HOD Pathology
5. HOD Radiotherapy
6. HOD Radiodiagnosis
7. HOD Microbiology
8. HOD Neurology
9. HOD Neurosurgery
10. HOD Urology,
11. HOD Surgical Gastroenterology,
12. HOD, Surgical Oncology

Sub: Regarding lectures of "Research Methodology and Biostatistics course "for academic session 2017-18 PG Residents (MD/DM/MCh) admitted at RMLIMS in 2017.

Dear Sir/Madam,

With reference to the letter no. 302/DC/14 dated 18.07.2014 of Dean, KGMU, like previous years, the Research cell, RMLIMS will be conducting "Research Methodology & Biostatistics Workshop" for the first year Residents admitted in 2017. These classes will be from 23 October-18 November 2017, which will be co-ordinated by Dr. Akash Agarwal, Associate Professor Surgical Oncology & Dr. Shantanu Sapru, Assistant Professor Radiotherapy followed by Dr. Savita Srivastava, Senior Research Officer.

In this connection, it is emphasized that it is mandatory for students admitted in 2017 in various MD/DM/MCh courses to attend the workshop and clear the Examination to be held after the workshop for obtaining clearance to submit Thesis Proforma.

Hence, it is requested that the concerned students of your department are to be informed about the same from your end and make necessary arrangements to spare them for the lectures to be held as per the attached schedule.

The venue of the workshop will be Conference Hall, Ist Floor, of Administrative block.

The schedule of the lectures is attached with this letter.

Yours faithfully,

(Prof. Mukul Misra)
Dean

Copy to for information & necessary action:

1. Concerned HODs, Dr. RMLIMS, Lucknow.
2. P.S. to Director, Dr. RMLIMS, Lucknow.
3. Dr. Akash Agarwal, Associate Professor, Dr. RMLIMS, Lucknow.
4. Dr. Shantanu Sapru, Assistant Professor, Dr. RMLIMS, Lucknow.
5. Dr. Savita Srivastava, Senior Research Officer, Dr. RMLIMS, Lucknow.
6. Computer Programmer, Dr. RMLIMS, Lucknow for uploading the information in Student corner of the institute website and to make necessary arrangements to provide audio-visual support for the workshop as per schedule provided.

(Prof. Mukul Misra)
Dean

18/10/17
CP

Course & Schedule for the Research Methodology & Biostatistics Course, RMLIMS, 2017

S.No	Day	Date	Time	Speaker	Topic
1.	Mon	23 rd Oct	16.00-18.00	Drs. Akash & Shantanu	Introduction, data, describing data
2.	Tues	24 th Oct	16.00-18.00	Dr. Akash Agrawal	Observational & Epidemiological study designs, Case control studies, Cohort studies, Odds Ratio, Relative Risk, Attributable Risk
3.	Wed	25 th Oct	16.00-18.00	Dr. Shantanu Sapru	Probability, Bayes theorem
4.	Thurs	26 th Oct	16.00-18.00	Dr. Shantanu Sapru	Diagnostics and measurements, Sensitivity, Specificity, PPV, NPV, Likelihood Ratio, ROC curves
5.	Fri	27 th Oct	16.00-18.00	Drs. Shantanu & Nilotpal	Errors, Bias, Reliability, Precision, Validity, Accuracy, Cronbach's α , κ (kappa) statistic, Cochran Q, Inter- & intra-observer differences
6.	Sat	28 th Oct	15.00-17.00	Dr. Nilotpal Chowdhury	Data distribution – Binomial, Poisson, Gaussian (Normal), t-distribution, z-distribution; Samples & Sampling methods; Measures of central tendency – Mean, Median, Mode, Range, Std. deviation, Std. error, Std. error of mean, Confidence Intervals, Central Limit Theorem (CLT)
7.	Sun	29 th Oct	11.00-13.00	Drs. Shantanu & Nilotpal	Statistical inference, p-value, parametric v/s non parametric testing, null hypothesis
8.	Mon	30 th Oct	16.00-18.00	Drs. Akash, Nilotpal & Shantanu	Revision & Discussion
9.	Tues	31 st Oct	16.00-18.00	Dr. Nilotpal Chowdhury	t-tests, ANOVA, Mann-Whitney U-test, Wilcoxon's test, Contingency tables, χ^2 test, Fisher's exact test, Kendall's τ
10.	Wed	1 st Nov	16.00-18.00	Dr. Nilotpal Chowdhury	Correlation, Regression, Spearman's & Pearson's coefficients, Linear & Logistic Regression, Cox Regression, Mann-Whitney U-test, Wilcoxon's tests, Hazard Ratio
11.	Thurs	2 nd Nov	16.00-18.00	Dr. Nilotpal Chowdhury	
12.	Fri	3 rd Nov	16.00-18.00	Drs. Akash & Shantanu	Revision & Discussion
13.	Sat	4 th Nov	11.00-13.00	Dr. Arun Chaturvedi	Correlation, Regression, Spearman's & Pearson's coefficients, Linear & Logistic Regression, Cox Regression, Mann-Whitney U-test, Wilcoxon's tests
14.	Mon	6 th Nov	16.00-18.00	Dr. Arun Chaturvedi	Time-to-Event (TTE) analysis focusing on Kaplan-Meier analysis & the Cumulative incidence method, Comparing TTE methods – Log rank test, Gray's test
15.	Tues	7 th Nov	16.00-18.00	Dr. Akash Agrawal	Hazard Ratio, Forest Plot
16.	Wed	8 th Nov	16.00-18.00	Drs. Akash & Shantanu	Systematic v/s Narrative reviews, Meta-analysis
17.	Sat	18 th Nov	15.00-16.00	Drs. Akash & Shantanu	Revision & Discussion EXAMINATION