

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, SHEKHPURA, PATNA
Minutes of Research Advisory Committee Meeting held on 31st August 2019

The following members of RAC attended the meeting.

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| 1. Prof. (Dr.) Shyam Sundar, Department of Medicine, BHU | Chairman |
| 2. Prof. (Dr.) Kameshwar Prasad, Department of Neurology
AIIMS, New Delhi | Member |
| 3. Prof. (Dr.) Dipendra K Mitra, Transplant Immunology
AIIMS, New Delhi | Member |
| 4. Prof (Dr) Paikay Jayadeva Bhat, Deptt of Bio-Sciences &
Bio engineering, IIT Bombay, Mumbai | Member |
| 5. Prof. (Dr.) Shivendra Shahi (Dean Academics, IGIMS) | Member |
| 6. Dr P.K.Sinha, Member BTSC and Ex-Dean Research, IGIMS. | Member |
| 7. Dr. Ajit Gupta, Dean Research IGIMS | Member |
| 8. Dr. Uday Kumar, HOD Bio-Chemistry, IGIMS | Member |
| 9. Dr. Rajesh Kumar, HOD Psychatry, IGIMS | Member |
| 10. Dr Babban Ji, Sci C, DHR Govt of India | Member |
| 11. Dr. Sangeeta Pankaj, Associate Dean IGIMS cum Registrar | Member |

Agenda:

31st August 2019: Dr (Prof) N.R. Biswas, Director IGIMS, Patna welcomed all the RAC members & briefed the RAC about Indira Gandhi Institute of Medical Sciences, Patna (IGIMS). Prof. (Dr.) Shyam Sundar, Department of Medicine, BHU, presided over the meeting.

Common agenda points:

Prof. PJ Bhat suggested to the director for developing a separate research centre for basic research. The idea was supported by Prof. DK Mitra but he also emphasized the importance of such projects, which need involvement of basic sciences as well as medicine.

Committee members advised the Nodal-Officer to communicate the agenda and the progress of the research projects one month in advance. They also advised to prepare a chart showing progress made between two meetings.

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Dr. Babban Jee suggested to establish Bihar institute of Medical Research under the aegis of IGIMS, Patna to foster the medical research in Bihar. After deliberation, the committee agreed to take the proposal further and prepare a blueprint within one month.

It was advised to constitute a task-force committee for the epidemiological study under the chairmanship of Prof. Kameshwar Prasad and other members – Prof. (Dr.) DK Mitra and Dr. Babban Jee.

Committee agreed for the establishment of Molecular Microbiology and Genomics Laboratory under the guidance of Prof. (Dr.) SK Shahi.

Projects submitted under Multi-Disciplinary Research unit

1. Study of causation of cervical cancer using molecular approaches

PI- Sangeeta Pankaj, Dept. of Gynaec Oncology

Comments:-

Committee members suggested for developing indigenous methods and protocols to genotype different genotypes of HPV and E6/E7 expression analysis. Possible implication of the study will be the prevention and early diagnosis of new cervical patients and best suited vaccine for Bihar population. It was suggested to the Principal Investigator to also include demographic and clinical details of the patients. Possibility of doing HPV genotyping of numerous known genotypes, using Real Time PCR should be explored and required reagents procured. Training should be arranged to PI and two scientists – Dr. Abhay Kumar & Dr. Marghoob Ahmad (Co-PIs) at NICPR, Noida or any other centre.

2. Evaluation of of AKT/mTOR substrate P70S6K and phospho- mTOR Expression in Gallbladder Cancer

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PI- Prof. VM Dayal

Committee members wanted the PI to properly define hypothesis of the project. They also suggested to stratify the patients into high and low risk patients based on the findings of the AKT/mTOR assay and possible effect of the findings on the prognosis of Gall Bladder Cancer. To fulfil the objectives of the project, kits for IHC should be immediately procured and data collected using institute IHC facility.

3. Genetic Analysis of Steroid Resistant Nephrotic Syndrome – A single centre study from Bihar

PI- Dr. Harsh Vardhan

Committee members advised the PI to increase the number of SRNS patients in the study. They also wanted to define the novelty of the project. Prof. Prasad and Prof. Shyam Sundar also suggested to do randomize control trial including those mutations, which are treatable.

4. Search of potential molecular biomarkers for diagnosis of obstructive sleep apnea (OSA) in the diverse clinical populations of Bihar

PI- Prof. Rakesh Kumar Singh

Members suggested the PI to include genetic markers of OSA in the study, so that patients can be classified into various categories depending upon the severity of the disease.

5. Study to define the etiological reason for the Acute Encephalitis Syndrome

PI: Prof. (Dr.) S.K. Shahi and Dr. Abhay Kumar

Prof. Kameshwar Prasad suggested to initially focus on doing proper epidemiology for AES cases. Parameters to be included are seasonal/month-wise incidence of the disease, number of deaths per year, age-group of the patients, their socio-economic status etc.

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Abhay*

Prof. PJ Bhat suggested to perform a study of the possible hypoglycaemic effect of MCG using experimental animal.

Members also wanted to know for how many years, the records for patients have been prepared by SKMCH. Members suggested to include the health parameters and other details of those children, who are not developing the disease, though living in the same locality.

6. Acute and sub-chronic toxicity study of Swarna Prasham in rodents.

PI: Dr. Pankaj Prabhakar

Director, IGIMS agreed to provide a seed fund of Rs. 5 lakh for the pilot study of this project.

7. Dr. Lalan Kumar Arya

1. Role of corneal micro RNA in bacterial keratitis mouse model
2. Cytokine and chemokine profiling in tear and aqueous humour of POAG patients undergoing trabeculotomy with moderate to severe optic neuropathy.

8. Effect of TUDCA on microglia activation in Diebetic Retinopathy in rat retina

Dr. Pankaj Kumar

9. Study of genetic alterations in gall bladder cancer patients of Bihar

Dr. Md. Margoob Ahmed

Additionally, members also agreed to provide seed money to newly recruited scientists in various departments for pilot study.

Anwar
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O. Jayaram

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Prasad

Jef
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Chairman

Prof. (Dr.) Shyam Sundar
Professor
Department of Medicine
IMS-BHU, Delhi

Approved by

31/8/19

**Director,
IGIMS, Patna**

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