	<p>ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA JODHPUR ROMANA, MANDI DABWALI ROAD, BATHINDA, PUNJAB – 151001</p> <p>ਅਖਿਲਭਾਰਤੀਆਯੁਰਵਿਗਿਆਨਸੰਸਥਾਨ, ਬਠਿੰਡਾ ਅਖਿਲਭਾਰਤੀਆਯੁਰਵਿਗਿਆਨਸੰਸਥਾਨ, ਬਠਿੰਡਾ RESEARCH ADVISORY COMMITTEE</p>	
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Ref. No. AB/RAC/2025/ 47

Date- 21/02/2025

MINUTES OF MEETING- February 13-14, 2025

Research Advisory Committee

1. CALL TO ORDER

Dr. Lajya Devi Goyal (Dean Research) called to order the meeting for discussion at 03:30 PM on February 13-14, 2025

The following members were present in the meeting: -

Prof. (Dr.) Lajya Devi Goyal (Dean Research), Prof. (Dr.) Anuradha Raj (Associate Dean Research), Dr. Rakesh Kakkar, Dr. Gurvinder Pal Singh, Dr. M. Altaf Mir, Dr. Sivanantham Krishnamoorthi, Dr. Ajay Kumar, Dr. Mayank Gupta, Dr. Shailindra Rana,

2. AGENDA

Following research projects were discussed by RAC and send the subsequent comments:

S.N O.	PI	Title of the Project	Comments
1	Dr. Ajay Kumar (Forensic Medicine And Toxicology)	To determine Postmortem Interval by studying proteomics in Human Cadaver Muscles in Autopsy cases in Tertiary care Hospital ”	<ul style="list-style-type: none"> • Mention reference of article. • The study Design is not mentioned • Sample size criteria to be reviewed • SPSS-29 to be mentioned • Bibliography as per Vancouver style • Inclusion criteria (upto 30 is overwt ?) • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
2	Dr. Rohit Mahajan (Radiation Oncology)	Identifying the role of cytochrome C and Apoptosis inducing Factor-1 in apoptotic death in response to chem-	<ul style="list-style-type: none"> • Justification about no of investigator 3 from the biochemistry department is not mentioned • Sample size calculation formula is

		radiotherapy in locally advanced head and neck cancer patients.	<p>not documented. The figure of 150 calculated by which formula</p> <ul style="list-style-type: none"> • The design of the study needs clarity • Permission from authorities is not specified • Financial issues are written in brief and need elaboration • References are old ones. No reference from the years 2021 to 2024 is mentioned in the bibliography. • Correct the first time. • Mention the study design in the title & clarify the methodology. • A reference to the sampling criterion is not given. • Justification “why Bengaluru is selected for data collection” despite the availability in three centers nearby. • References should be latest & in Vancouver style. • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
3	Dr. Priti Chaudhary (ANATOMY)	Introducing living anatomy into the first year medical curriculum : Prospective analytical study.	<p>Comments By Reviewer 1 -</p> <ul style="list-style-type: none"> • Please explain how the study is analytical in nature. • Reframe the title of the study. • Modify the Undertaking as per the requirement of the Project • Define sample size clearly • Study on Students? Is not permitted • Methodology is flawed. How will you access the integration part. • Questionnaire to be attached for assessment • Statistical Methods need to be written. • References to be in Vancouver style • Please attach reframed PIS and PICF as per the Project.

			<ul style="list-style-type: none"> • PICF running into 3 pages. Please correct • Who will be the subjects for the Living anatomy procedures? <p>Comments by Reviewer 2-</p> <ul style="list-style-type: none"> • Please mention objective in primary & secondary objectives. • Explain Sample size calculation with formula. • Use new words in place of “Living Anatomy”. Clarify the living Anatomy. • Attach the questionnaire. • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
4	Dr. Dipti Magan (Physiology)	Effect of Obesity on Autonomic Nervous System and Cognitive Performance.	<ul style="list-style-type: none"> • Aim is missing • Objectives need clarity • Departments involved in the study to be mentioned clearly in the methodology. • Sample type (blood) for ELISA mentioned as serum and plasma in different places. • Investigator's signature is missing in the investigator list • In methodology, the study area is mentioned as the Department of Physiology and Endocrinology, but the patient information sheet mentioned contact details with investigators of Physiology and Psychiatry. Please refer to comment 3 also. • The control group belongs to the hospital staff from the Department of Medicine and Physiology. Approval from the concerned authority is to be obtained. • The budget for components mentioned under Contingency/other costs may not be sufficient—feasibility to be revisited.

			<ul style="list-style-type: none"> • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review. • References are to be in Vancouver style. • The SPSS version in the statistical analysis is to be modified. • Undertaking by the investigator with the signature of PI is missing.
5	Dr. Apurba Patra (Anatomy)	Correlation Between Histological Changes in the radial arterial wall and short- and Long- Term Outcomes of radio-cephalic arteriovenous fistula.	<ul style="list-style-type: none"> • Two titles have been mentioned in the protocol. Please provide one title. • Include the study design in the title • Usually, the samples are sent for histopathology examination. However, there is no one from the pathology as a co-investigator. • Considering the authors intend to find out correlation, please provide sample size rather than just mentioning convenient sampling. • Please cite references in text. • Reference to be in Vancouver format. • Signature of CO-PI is missing. • It is convenient sampling. • Novelty is missing. • Please provide the justification to remove 2 cm Radial Artery. • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
6	Dr. Sanjeev Kumar (Ophthalmology)	Screening for Retinopathy of Prematurity Using the 2021 International Classification of Retinopathy of Prematurity (ICROP 3) Guidelines: A Prospective Observational Study.	<p>Comments by Reviewer 1-</p> <ul style="list-style-type: none"> • In budget contingency, out of proportion. • (May need revision of budgetary section.) • Divide the objectives in Primary & secondary. • Kindly add at least one CO-PI from your department. • Budget is not justified. Kindly revise the budget in accordance

			<p>with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.</p> <p>Comments by Reviewer 2-</p> <ul style="list-style-type: none"> • What should be done if the sample size is not completed within the given timeframe? • Could you kindly provide a detailed explanation of the cost of the instruments? • Kindly add a reference of Figure 1 in the introduction part.
7	Dr. Anjali Singal (Anatomy)	Surgical anatomy of optic nerve and its implications in optic nerve decompression in idiopathic intracranial hypertension	<ul style="list-style-type: none"> • Mention study design in the Title. • Write Research Design. • Prefer recent publications in bibliography. • As the project is dealing with orbit & optic nerve, No CO-PI is from the ophthalmology department. • How you can decide IIH is cadaveric eyes. • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
8	Dr. Shivani (Endocrinology)	To study the risk factors, biomarkers and metabolic impact of sarcopenia in adults with Type 2 diabetes mellitus.	<ul style="list-style-type: none"> • Rationale of study is not coherent. • The aim of the study is not clearly depicted. Please rewrite it • Primary objective is very lengthy. • 2nd objective is not mentioned and 3 and 4th objective needs reformulation. • Gantt chart is not informative. • Financial budget is not as per different heads of budget. • Form 1 should be duly signed. • Include the type of study design in the Title. • Sample size calculation with formula & index study. • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for

			intramural-funded projects and provide a detailed budget breakdown for review.
9	Dr. Navdeep Kaur (Radiodiagnosis)	Can ultrasound based cortical bone thickness be used as screening tool for diagnosing osteoporosis?	<p>Comments By Reviewer-1</p> <ul style="list-style-type: none"> • Reframe the title of the study • Signature of HOD and CO PI Dr Paramdeep are missing • In the project why Nurse will obtain consent? • Modify the Undertaking as per the requirement of the Project • In introduction “In this study, we present a new diagnostic tool which is cheap, accessible, reliable and does not use any ionizing radiation to diagnose osteopenia and osteoporosis by using ultrasound as a tool for measuring cortical thickness of radius, tibia and first metatarsal and compare with BMD results determined by DXA.” • Please reframe as the study has not been completed • Third line above review of literature cortical is repeated twice • 80% power for a non invasive procedure is too less. • How will you address measurement bias and observer bias? • Where are the controls? • References to be in Vancouver style • Inclusion and Exclusion criteria? <p>Comments from the Reviewer-2</p> <ul style="list-style-type: none"> • The title is not suitable (It is suggested to revise the title and include the type of study in the title as well). • In Form (2) proposal title not filled. • Not forwarded through HOD. Kindly forward through proper channel. • Divide objectives in primary & secondary.

			<ul style="list-style-type: none"> • Kindly give a reference number of study mentioned in sample size calculation. • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
10	Dr. Gegal Pruthi (Anaesthesiology)	Efficacy of Antimicrobial-Coated Central Venous Catheters Versus Standard Central Venous Catheters in Preventing Central-Line Associated Bloodstream Infections in Postoperative Off-Pump Coronary Artery Bypass Grafting Patients: A Randomized Controlled Study	<ul style="list-style-type: none"> • Abbreviation to be avoided in aim and objectives • The DUR calculation formula is not clear in the methodology • SPSS or equivalent software to do analysis is not mentioned in the statistical method. • Plagiarism report is not attached. • The checklist with the signature of the PI is not attached. • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
11	Dr. Sonia Kochhar (Physiology)	Comparison of pain pressure threshold and pain tolerance in yoga Practitioners and age matched sedantary control: A cross sectional study	<ul style="list-style-type: none"> • No introduction, review of literature, methodology i.e. how pain tolerance will be measured has been provided. • Major Revision required • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
12	Dr. Ankita Kankaria (Community & Family Medicine)	Study on multiple long term Chronic conditions among pregnant women in rural block of Punjab, North India.	<p>Comments by Reviewer-2</p> <ul style="list-style-type: none"> • Some Co PIs signatures are missing. • Patient Information sheet is missing. • Consent Form is missing. • There is no mentioning of who will conduct the interviews. • Who will bear the study cost? • Plagiarism report is missing. • PICF & PIS is missing. • Multimorbidity Assessment

			<p>Questionnaire for Antenatal Care (MAQ-ANC),</p> <ul style="list-style-type: none"> English version is present but translation in vernacular language (Hindi and Punjabi) is not present <p>Comments by Reviewer-2</p> <ul style="list-style-type: none"> Mention SPSS-29 instead of version 17. Type of study to be included in the Title. Total grant needs to be justified. Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
13	Dr. Lata Goyal (Dentistry)	Periodontal Therapy along with antimicrobial Photodynamic therapy on inflammatory markers and Metabolic Parameters in patients of Metabolic Syndrome: A Randomized Controlled Clinical Trial	<ul style="list-style-type: none"> The budget is inappropriate. Periodontal therapy is not mentioned in the aim Sample size calculation to be provided. Budget to be discussed regarding the availability of the tests in the biochemistry department & is overbudgeted. Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
14	Dr. Nilesh Barwar (Orthopaedics)	Assessment of serum TNF alpha, IFN gamma, IL 6, and adenosine deaminase levels as novel biomarkers of TB spine.	<ul style="list-style-type: none"> How did you calculate the sample size? Check all references for Vancouver style Pilot testing and validation of these markers in TB patients You have mentioned the amount of blood collected as 3ml in the procedure and 5ml in the patient information sheet. Kindly explain that. You have mentioned assessment of serum levels at the time of diagnosis and 3 months in the variables section, while it is different in the data sources

			<p>section</p> <ul style="list-style-type: none"> • Kindly explain whether serum level assessment of biomarkers will be done for both the case and control groups at 3 months and 6 months or only the case group. • Kindly provide details regarding funding information • Kindly mention the site of blood collection, how the sample will be transported, and how serum will be separated, along with quantitative analysis of biomarkers in the Procedure section • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
15	Dr. Meena Mirdha (Physiology)	Effects of yoga and meditation on motor function, objective and subjective sleep in parkinson's disease : A pilot randomized controlled trial	<p>Comments By. Reviewer 1</p> <ul style="list-style-type: none"> • Explain the medication and yoga feasibility as outcomes <p>Primary Outcome:</p> <ol style="list-style-type: none"> 1. To assess meditation and yoga's feasibility, acceptability, and preliminary effects on motor function and sleep outcomes in Parkinson's disease 2. To compare objective and subjective sleep outcomes in meditation, yoga and control groups after intervention. <ul style="list-style-type: none"> • Please explain how randomization will be done? • Attach all the scales to be used in the study <p>Comments by Reviewer -2</p> <ul style="list-style-type: none"> • Checklist not attached. • Form (2) not completely filled. • Kindly forward through proper channel (Not forwarded by HOD). • Explain the sample size as per pilot study guidelines. • Mention inclusion/exclusion criterion. • Mention Primary and Secondary

			<p>objectives.</p> <ul style="list-style-type: none"> Note: Intramural funded projects decision to be taken by the Dean Research. Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review. Explain the rationale of the study and benefit to the patient & society Study design needs revision. Major Revisions Required.
16	Dr Tarun Kumar Singh (Dentistry)	Comparative Evaluation of Direct Pulp Capping Outcomes Using Amniotic Membrane and Biodentine in Mature Permanent Mandibular Molars:	<ul style="list-style-type: none"> Objective 2, 3 is similar to objective no 1. CHAM - Abbreviation to be expanded in the place where it is first used. The availability of necessary instruments/storage conditions for cryopreservation of CHAM is to be mentioned. DPC abbr. to be expanded. (Is it Direct Pulp Capping?) The SPSS version in the statistical analysis is to be modified. References are to be in Vancouver style. Incomplete Form 2. The patient information sheet is to be modified appropriate to the study design (RCT). Most of the parameters mentioned as Not Applicable. Patient information sheets in Hindi and Punjabi are missing. Budget requirements need more details and justification. (Amniotic Membranes are mentioned as consumables, but in methodology, it is mentioned as it ll be derived from elective caesarean section) Plagiarism report is not attached. <p>Comments by Reviewer-2</p> <ul style="list-style-type: none"> The checklist is not attached PI has mentioned 24 months at the

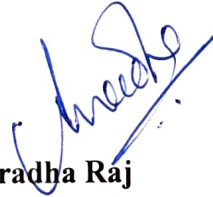
			<p>same places and 18 months at the other places of the document.(Kindly write final duration of study and be consistent.)</p> <ul style="list-style-type: none"> • Mention the index study used for sample size calculation. • Reference should be in Vancouver style, please. • Please attach the plagiarism check report. • Please write the Budgetary section properly. • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
17	Dr. Harmeet Kaur (Radiodiagnosis)	Role of Dynamic Contrast-Enhanced MRI and Immunohistochemistry in Differentiating and Characterizing Bone Tumors	<ul style="list-style-type: none"> • Please include type of study in the Title. • Please get signatures of all CO-PIs. • Please mention the no. of subjects in form 2. • Sample size calculation with formula and citing reference to be mentioned. • References in Vancouver style please. • PICF in Hindi, English and Punjabi are not attached in all three languages. • Assent form is not attached in three languages. • Kindly revise the budget in accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
18	Dr. Shivani Bansal (Detramalogy)	Evaluation of hair follicle and serum oxidative stress in patients with pre-mature grey hair – a pilot study.	<ul style="list-style-type: none"> • Form 2 is incompletely filled • Primary objectives may be rewritten in only one point. • Study duration may be reduced to one year since the research is a pilot project. • Kindly revise the budget in

			accordance with the guidelines provided by AIIMS Bathinda for intramural-funded projects and provide a detailed budget breakdown for review.
19.	Dr. Akhilesh Pathak (Forensic Medicine And Toxicology)	Comparative Analysis of Fetal Age Estimation Using Gustafson's Method and Anthropometric Measurement.	<ul style="list-style-type: none"> In form-3 (Undertaking by the Investigator) kindly add the Principle investigator's name and address USG gestational age estimation should not be taken as a gold standard because anthropometry means measurements on a physical object
20.	Dr. Anuradha Raj (Ophthalmology)	Correlation of severity of Diabetic Retinopathy and peripheral Diabetic neuropathies with the findings of nail fold capillaries in the Type II Diabetic population at a tertiary care centre: a cross sectional observational study	<ul style="list-style-type: none"> OK & Approved
21.	Dr. M Altaf Mir (Burn & Plastic Surgery)	Patient satisfaction after Wound Resurfacing with Skin Grafting or Flap Coverage: A cross-sectional study	<ul style="list-style-type: none"> OK & Approved
22.	Dr. Mayank Gupta (Anaesthesiology)	Development and implementation of Management and Evaluation Software for Research Initiatives and Trials (MERIT): A Participatory Co-design Approach	<ul style="list-style-type: none"> OK & Approved

Minutes of the Meeting held on 13/02/2025-14/02/2025 regarding the review of intramural projects



**Dr. Lajya Devi Goyal
(Dean Research)**



**Dr. Anuradha Raj
(Associate Dean Research)**



Dr. Gurvinder Pal Singh



Dr. M Altaf Mir



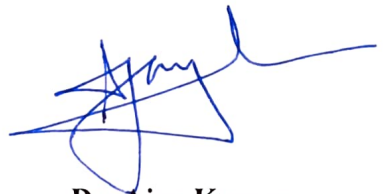
Dr. Rakesh kakkar



Dr. Mayank Gupta



**Dr. Sivanantham
Krishnamoorti**



Dr. Ajay Kumar



Dr. Shailendra Rana