



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA**  
JODHPUR ROMANA, MANDI DABWALI ROAD, BATHINDA,  
PUNJAB – 151001  
અધિલભારતીયાયુરવિજ્ઞાનસંસ્થાન, બાંઠિંડા  
અખિલભારતીયાયુરવિજ્ઞાનસંસ્થાન, બંઠિંડા  
**RESEARCH ADVISORY COMMITTEE**



Ref. No. AB/RAC/2025/12/08

Date- 10/12/2025

**MINUTES OF MEETING- 10/12/2025**

**Research Advisory Committee**

**1. CALL TO ORDER**

Prof. (Dr) Lajya Devi Goyal (Dean Research) called to order the meeting for discussion at 03:00 PM on 10/12/2025.

**• The following members were present in the meeting: -**

Prof. Dr. Lajya Devi Goyal, Prof. (Dr) Anuradha Raj, Dr. Rakesh Kakkar, Dr. Gurvinder Pal Singh, Dr. M. Altaf Mir, Dr. Ajay Kumar, Dr. Sivanantham Krishnamoorthi, Dr. Shailendra Rana.

**2. AGENDA**

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

S. No.	PI	Title of the Project	Comments
1.	Dr. Bhupinder Singh (Cardiology)	Exploring Platelet-Derived miRNAs as Prognostic Biomarkers and Therapeutic Targets in Diabetic Cardiomyopathy	<ul style="list-style-type: none"><li>Provide sample size calculation with effect estimates.</li><li>Clearly define diagnostic criteria for 'DCM' – essential for reproducibility.</li><li>Include timeline/Gantt chart to demonstrate feasibility in 12 months.</li><li>Add a robust statistical-analysis plan - (multiple-testing correction for miRNA-seq, ANOVA/post-hoc tests, etc.)..</li><li>Clarify biobanking and long-term specimen storage.</li><li>Provide preliminary data if any (even platelet isolation optimisation or pilot miRNA expression) – dramatically increases credibility.</li><li>Include data-management and de-</li></ul>

S. No.	PI	Title of the Project	Comments
			<p>identification protocol.</p> <ul style="list-style-type: none"> <li>Include references supporting scientific rationale and methodology including key studies on platelet miRNAs, PMVs in diabetes/CVD, and existing DCM biomarkers.</li> <li>Provide a clear translational pathway from biomarker discovery to therapeutic validation.</li> <li>May add IPR sharing, material transfer, and contingency plan.</li> </ul>
2.	Mr. Atul Sharma (INER)	Effectiveness of brief psychoeducation in improving self-reported medication adherence and attitude towards medication among patients with substance use disorder: A quasi-experimental	<ul style="list-style-type: none"> <li>Include type of study in title</li> <li>Mention the aim of study</li> <li>Mention objectives as primary &amp; secondary objectives</li> <li>Add Gantt chart.</li> <li>Please mention sample size.</li> <li>Calculation with index study.</li> </ul> <ul style="list-style-type: none"> <li>Reduce the student Co-PI number to 4.</li> <li>Only Bathinda residing patients will be enrolled (as per flow chart)?</li> <li>How to address bias i.e. those coming to AIIMS are more aware than not people reporting? Generalisability? feasibility/practicality of implementing it on routine basis? What is current practice to address adherence in patients on substance abuse?</li> <li>SPSS 29 (institutional subscription) to be mentioned.</li> <li>Add detail about a control arm (usual care only) to strengthen design and causality claims.</li> <li>Include objective adherence measure alongside self-report to reduce bias.</li> <li>May extend follow-up to at least 3 months post-intervention to capture durability of effect.</li> <li>May use block randomisation or matching if control group is added.</li> </ul>

S. No.	PI	Title of the Project	Comments
			<ul style="list-style-type: none"> <li>• Justify single-session (30–45 min) intervention more strongly – cite evidence that very brief psycho education works in SUD.</li> <li>• Add baseline socio-demographic table and plan subgroup analysis (e.g. alcohol vs opioid vs cannabis as it may vary with type of addiction).</li> <li>• Include process evaluation (fidelity checklist, participant satisfaction).</li> </ul>
3.	Dr. Simarjeet Kaur (INWR)	A comparative study to assess the prevalence and predisposing factors of childhood obesity among school children of selected rural and urban areas of District Bathinda.	<ul style="list-style-type: none"> <li>• Reduce the student Co-PI number to 4.</li> <li>• Sampling technique is not clear</li> <li>• Assent form from children, permission from schools authorities and parents/guardian is not mentioned</li> <li>• The source of questionnaire and it's development and reliability and validity is not mentioned</li> <li>• The items used for mental health issues need clarification .</li> </ul>
4.	Prof. (Dr.) Lajya Devi Goyal (Obs & Gynae)	ASSOCIATION OF HISTOPATHOLOGICAL CHARACTERISTICS AT THE TUMOR FRONT( TUMOR BUDDING, IMMUNE CELL INFILTRATION, AND PATTERN OF INVASION) WITH MISMATCH REPAIR (MMR) STATUS IN ENDOMETRIAL CANCERS: CROSS - SECTIONAL MULTICENTRIC STUDY	OK & Approved
5.	Dr. Anupinder Thind (Physiology)	PERCEPTIONS, UTILITY AND EDUCATIONAL IMPACT OF EARLY CLINICAL EXPOSURE	<ul style="list-style-type: none"> <li>• Reduce the student Co-PI number to 4.</li> <li>• Routine curriculum will be followed for MBBS teaching so when are you going to teach 1<sup>st</sup></li> </ul>

S. No.	PI	Title of the Project	Comments
		SESSIONS ON FIRST YEAR MEDICAL UNDERGRADUATE STUDENTS: APROSPECTIVE INTERVENTIONAL STUDY.	<p>year MBBS students.</p> <ul style="list-style-type: none"> <li>• Absolute number of sample size to be defined.</li> <li>• Clarify methodology.</li> <li>• Students already enrolled cannot be excluded.(Exclusion criteria needs to be reframed).</li> <li>• Expected outcome to be clarified again.</li> <li>• How will you assess the utility&amp; ECE in 1<sup>st</sup> year students?</li> </ul>
6.	Prof.(Dr.) Kamlesh Kumari Sharma (INER)	A quasi-experimental study to evaluate the effectiveness of refusal skill building program on knowledge, attitude and refusal efficacy towards substance use among adolescents studying in selected schools of Bathinda	<ul style="list-style-type: none"> <li>• Reduce the student Co-PI number to 4.</li> <li>• Define refined efficacy towards substance use.</li> <li>• Define novelty of the project.</li> <li>• Title to be reframed.</li> </ul>
7.	Ms. Navjot Kaur (INER)	A descriptive cross-sectional study on the knowledge and practice regarding latching and positioning during breastfeeding and occurrence of breastfeeding-related complications in women admitted in postnatal wards of the selected Tertiary Care Hospital, Bathinda	<ul style="list-style-type: none"> <li>• <b>Novelty:</b> This study lacks original contribution to the existing body of knowledge</li> <li>• <b>Problem statement:</b> The problem statement is redundant with the title and fails to articulate the underlying need for this research.</li> <li>• Sample size calculation is incomplete</li> <li>• <b>You mention:</b> The formula used for sample size estimation was <math>-z^2pq/d^2</math></li> <li>• <b>But:</b> You never specify p, q, d, or why you selected those values.</li> <li>• But you state the sample comes to 81 but no actual calculation is shown.</li> <li>• But you arbitrarily inflate to 90; drop-out isn't applicable in a cross-sectional single-visit study.</li> <li>• No pilot testing mentioned.</li> <li>• No translation/back-translation process described.</li> <li>• No analysis plan mentioned.</li> <li>• How content validity tool will be established?</li> </ul>

S. No.	PI	Title of the Project	Comments
			<ul style="list-style-type: none"> <li>• Aim and primary objective number 1 are same</li> <li>• Reduce the student Co-PI number to 4.</li> <li>• Mention index study in sample size calculation.</li> </ul>
8.	Mrs. Nagdeep Kaur (INER)	An exploratory descriptive study to assess the knowledge and attitude towards organ donation among patients attending General Medicine and General surgery OPD of AIIMS Bathinda with a view to develop an informational leaflet.	<ul style="list-style-type: none"> <li>• Kindly reframe the questionnaire for proper understanding.</li> <li>• Kindly clarify about the number of experts included in the validity.</li> <li>• Please follow Vancouver style of referencing.</li> </ul>
9.	Dr. Shailendra Singh Rana (Dentistry)	HYBRID ORTHODONTICS DIAGNOSTICS TOOL DEVELOPMENT AND VALIDATION FOR ASSESSING THE ORTHODONTICS DIAGNOSIS AND TREATMENT PLANNING	<ul style="list-style-type: none"> <li>• Include type of study in title.</li> <li>• Aim and primary objectives are same. Kindly revise primary objective.</li> <li>• Kindly mention the index study for sample size calculation.</li> </ul> <ul style="list-style-type: none"> <li>• Form2: Point no 11. Data monitoring- to be filled.</li> <li>• Form2; Point no. 13 Compensation details to be filled.</li> <li>• Cost implication if any to be specified.</li> <li>• Radiation exposure if any to be specified.</li> <li>• Reference- Vancouver style in proposal &amp; reference.</li> </ul>
10.	Dr. Suraj Kumar (Cardiology)	To assess the association of NLRP3 rs 10754558 and rs 10754555 polymorphism with the risk of coronary artery disease.	<ul style="list-style-type: none"> <li>• Include type of study in Title.</li> <li>• Reference should be in Vancouver style.</li> <li>• Kindly mention index study used for sample calculation</li> </ul> <ul style="list-style-type: none"> <li>• Form 1: Point no. 5: Is the facilities/ equipment available?</li> <li>• Form 2: Contact address of sponsor</li> </ul>

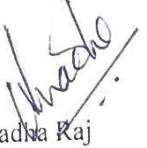
S. No.	PI	Title of the Project	Comments
			<ul style="list-style-type: none"> <li>– Budget of proposal details.</li> <li>• Point no.6: Vulnerable subjects mentioned – No. <ul style="list-style-type: none"> <li>➢ Inclusion criteria &gt; 18 yrs.</li> <li>➢ Are elderly age group excluded in this study??</li> </ul> </li> <li>• Point no. 7: VII-Use of infectious/biohazardous specimen – No. <ul style="list-style-type: none"> <li>➢ VIII: Proper disposal and matter – No.</li> <li>➢ Study involves venous blood samples – please modify accordingly the above points.</li> </ul> </li> <li>• Point no. 8: II. Who will obtain consent – PI/ Co- PI and Research staff marked. <ul style="list-style-type: none"> <li>➢ Please clarify any provision of research staff as it is not mentioned in the proposal under - Resources required and the Feasibility.</li> </ul> </li> <li>• Point no.11. Please verify all details – not filled appropriately.</li> <li>• Point no. 13. Please check.</li> <li>• <b>Protocol: Study title:</b> Type of study may be added?? IEC approved from Central University Punjab. Is it required? – to be discussed in meeting.</li> <li>• <b>Protocol:</b> Study setting mentioned Department of Cardiology AIIMS and Central University Punjab.</li> <li>• Role of Co-PI from General Medicine may be added and to be included in study setting and study plan.</li> </ul> <p><b>Procedure:</b></p> <ul style="list-style-type: none"> <li>• <b>Sample will be stored at - 80<sup>0</sup>C</b> - Is it in Central University?</li> <li>• How the sample will be transported.</li> <li>• Transporting every single or two sample / day. As it is 5- 6 month study, will be practically possible?</li> </ul>

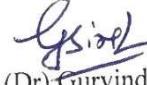
S. No.	PI	Title of the Project	Comments
			<p>If required a Co – Investigator may be added from clinical laboratory departments from AIIMS, Bathinda, who can able to store and extract DNA and other analysis in AIIMS Bathinda itself.</p> <ul style="list-style-type: none"> <li>Reference for PCR amplification/ primers to be added and Reference list to be updated.</li> </ul>
11.	Dr. Narinder Kaur Walia (INER)	A quasi-experimental study to examine the effectiveness of Short Video Demonstration on knowledge and Practice of Incentive Spirometry use among Surgical Patients at AIIMS Bathinda	<ul style="list-style-type: none"> <li>Proposal need to be rewritten completely then submit.</li> <li>Reduce the student Co-PI number to 4.</li> </ul> <hr/> <ul style="list-style-type: none"> <li>Form 1 title and form 2 title not matching.</li> <li>Please resubmit the proposal with appropriate form 1 and form 2 to evaluate further.</li> </ul>
12.	Dr. Shivani Bansal (Dermatology)	A prospective, Multicenter, Parallel Group, Randomized, Assessor Blind, Active-Controlled, Phase 3 Study to Evaluate the Efficacy and Safety of Ruxolitinib 1.5% Cream in comparison to Pimecrolimus 1% Cream for the treatment of patients with Mild to Moderate Atopic Dermatitis (AD)	<ul style="list-style-type: none"> <li>The study is designed as a non-inferiority trial; however, the ethical justification for accepting non-inferior outcomes when an effective standard treatment exists is inadequately explained.</li> <li>The study is assessor-blind only. Participants are not blinded to treatment allocation, which may influence subjective outcomes such as pruritus severity, sleep disturbance, and quality of life.</li> <li>Primary and secondary objectives are almost same. Kindly justify added 4 weeks in the secondary objective.</li> <li>The rationale for selecting pimecrolimus as the comparator is insufficiently justified, particularly given its known delayed onset of action and tolerability concerns.</li> <li>Clear rescue measures or symptom mitigation strategies during washout are not adequately described.</li> <li>The study duration (8 weeks of treatment with short follow-up)</li> </ul>

S. No.	PI	Title of the Project	Comments
			may be inadequate to detect delayed or cumulative adverse effects. The protocol does not sufficiently address long-term safety monitoring or post-study follow-up plans.
13.	Prof. (Dr) Anuradha Raj (Ophthalmology )	Pupillary metrics and dynamics as a predictor for glaucomatous damage and their correlation with the structural and functional retinal nerve fibre layer loss: Towards AI-Enabled Robust Diagnostics and prognostic marker.	<ul style="list-style-type: none"> <li>Include type of study in title.</li> <li>Mention number of subjects in form II.</li> <li>How can sample size calculated.</li> <li>Please mention the name of partner institute.</li> <li>Please mention the private participating Institute.</li> </ul>

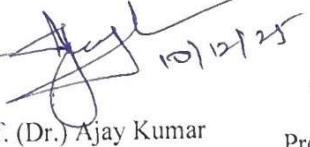
Minutes of Meeting held on 10.12.2025 regarding the evaluation of Faculty projects

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

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

  
Prof. (Dr) Gurvinder Pal  
Singh

  
Dr. M Altaf Mir  
(Alt. Member Secretary)

  
Prof. (Dr.) Ajay Kumar

  
Prof. (Dr) Rakesh kakkar

  
Dr. Sivanantham  
Krishnamoorthi

  
Dr. Shailendra Singh Rana