



## **MGM INSTITUTE OF HEALTH SCIENCES**

(Deemed University u/s 3 of UGC Act, 1956)

**Accredited Grade A by NAAC**

### **Minutes of the Scientific Advisory Committee (SAC)**

Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on 4<sup>th</sup> October, 2018 at 10.00 am in the Conference Hall. The following members had participated in the meeting:

Dr Smita Mahale	:	Chairperson
Dr. Atmaram Bandivdekar	:	Member
Dr. Prasanna Venkatraman	:	Member
Dr. Deepak Sudhakar Joshi	:	Member
Dr. V K Suri	:	Member
Dr. G D Jindal	:	Member
Dr. Raman P Yadav	:	Member
Dr. Ravindra Inamdar	:	Member
Dr. Z G Badade	:	Member
Dr. Rita Abbi	:	Member
Dr. Savita Sahani	:	Member Secretary

**Title :** Early detection of diabetic neuropathy and prevention of consequent foot complications

**Principal Investigator :** **Dr. Rajani Mullerpatan**  
**Director-Principal**  
**MGM School of Physiotherapy, Kamothe.**

- Members advised to reframe designation of Research Assistant to Junior Research Fellow
- Correction is required in sample size in various groups
- Incorporate validated questionnaire regarding participants perception regarding the device
- Study title may be modified as "Validation of indigenously developed device for early detection of diabetic neuropathy and prevention of consequent foot complications"
- As planter stiffness may show variation in relation to time of observation time of examination may be noted
- Incorporate users guidelines and certificate for safety of instrument.

**Title :** Isolation of plant derived efflux pump inhibitor and its drug susceptibility potential in Plasmodium falciparum

<b>PhD Student</b>	:	<b>Chandana C Kulkarni</b>
<b>Guide</b>	:	<b>Dr. Raman P Yadav</b>
<b>Subject</b>	:	<b>Biotechnology</b>

Objectives may be modified. Candidate was advised to retain authentication report from supplier of cell lines.

Progress of study is satisfactory.

**Title :** Isolation of multifunctional molecule from plant and its antidiabetes potential

<b>PhD Student</b>	:	<b>Priyanka Rathod</b>
<b>Guide</b>	:	<b>Dr. Raman P Yadav</b>
<b>Subject</b>	:	<b>Biotechnology</b>

Objectives may be modified

Plant may be tested for chemical and biological contamination

Members advised to check for calculations of pancreatic enzyme. They also advised to draw dose response curve of selected plants for pancreatic lipase inhibitory function and then IC<sub>50</sub> may be calculated.

Progress of study is satisfactory

**Title :** Study of Sympathetic and parasympathetic activity in Controls and hypertensive subjects

<b>PhD Student</b>	:	<b>Manasi S Sawant</b>
<b>Guide</b>	:	<b>Dr. G D Jindal</b>
<b>Subject</b>	:	<b>Biotechnology</b>

Members advised to use appropriate statistical analysis to reach to some conclusion. Conclusion of the study may be drawn based on analysing each parameter in details with its significance.

Progress of study is satisfactory

**Title :** Effect of CPAP and weight loss on biochemical marker in obese diabetic with obstructive sleep apnea patients

**PhD Student** : **Vijay Kumar Shah**  
**Guide** : **Dr. Z G Badade**  
**Subject** : **Biochemistry**

Candidate was advised to present progress of study in next SAC meeting, as results of research study were not analysed adequately.

It was informed to the members that following students have not presented progress report in SAC meeting since more than a year, as shown in the list given below and members were of opinion that candidates may be encouraged to present progress report regularly to avoid delay in completing dissertation work.

1. Yogita Phaple (PhD Biochemistry) Batch 2014 under the guidance of Dr. Z G Badade
2. Sneha Pawar (PhD Biochemistry) Batch 2014 under the guidance of Dr. Z G Badade
3. Santosh Gawali(PhD Biochemistry)Batch 2014 under the guidance of Dr. Z G Badade
4. Asharani Kore (PhD Microbiology) Batch 2014 under the guidance of Dr. A D Urhekar

Date and agenda for next meeting to be decided.

Sd/-

Dr. Savita Shahani  
(Member Secretary)



## MGM INSTITUTE OF HEALTH SCIENCES

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29<sup>th</sup> November, 2018

### Minutes of the Scientific Advisory Committee (SAC)

Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on 17<sup>th</sup> November, 2018 at 10.00 am in the Conference Hall. The following members had participated in the meeting:

Dr. Alaka Deshpande	:	Chairperson
Dr. Deepak Modi	:	Member
Dr. Atmaram Bandivdekar	:	Member
Dr. V K Suri	:	Member
Dr. Raman P Yadav	:	Member
Dr. Ipseeta Ray	:	Member
Dr. Rita Abbi	:	Member
Dr. Savita Sahani	:	Member Secretary

1. To confirm the minutes of the meeting held on 4<sup>th</sup> October, 2018:  
The minutes of the meeting held on 4<sup>th</sup> October, 2018 were read and confirmed.
2. Approval of PhD Research Proposals:  
The following Research Proposals were presented by PhD Students and approval with certain modifications were done.

**Title :** Studies on maternal colonization of group B Streptococcus and its association with preterm deliveries, preeclampsia & still birth

PhD Student	:	Abhishek Singh
Guide	:	Dr. A D Urhekar
Subject	:	Medical Microbiology

Progress of the Research work was satisfactory.

**Title :** Associative role of MTHFR, PTB & TYMS6bpdel polymorphisms with reference to pre-term delivery

**PhD Student** : Panikar Surya Anand  
**Guide** : Dr. Mansee Thakur  
**Subject** : Medical Genetics

Members suggested to modify stratification terminology. Progress of the research work was satisfactory.

**Title :** To study phenotypic characteristics of different types of diabetes in the young and genetic characterization of monogenic diabetes (MODY)

**PhD Student** : Neha More  
**Guide** : Dr. Parineeta Samant  
**Subject** : Medical Biochemistry

Progress of the Research work was satisfactory.

**Title :** Comparative study of cytoarchitecture of fetal cerebrum of non-eclamptic and eclamptic mothers

**PhD Student** : Muthuchitra Pandian  
**Guide** : Dr. Anjali Sabnis  
**Subject** : Medical Anatomy

Candidate requested to permit to make slight modification in study title, however there will be no modification in study design which was approved by SAC members. Members suggested to quantify the images if possible. Progress of the dissertation work was satisfactory.

**Title :** Immuno-Coexpression of cancer stem cell markers in histopathologically graded low risk and high risk Oral Leukoplakias

**PhD Student** : Niharika Swain  
**Guide** : Dr. Mansee Thakur  
**Subject** : Medical Genetics

Members advised to modify lacunae in subject, aims and objectives of the study. Source of study participants to be specified. Members suggested to include equal number of low risk and high risk cases and specify various category of participants. Project was approved subject to incorporation of the above changes

**Title :** Design, develop and functional evaluation of DNA detection system

**PhD Student** : **Yogesh Patil**  
**Guide** : **Dr. Mansee Thakur**  
**Subject** : **Medical Biotechnology**

Members suggested to validate equipment for testing for detection of tuberculosis for genexpert positive and negative cases only for the current project. Project was approved subject to incorporating the changes suggested by members.

**Title :** Study of centrosome abnormality in oral leukoplakia as potentially malignant disorder of oral cavity

**PhD Student** : **Kamlesh Dekate**  
**Guide** : **Dr. Mansee Thakur**  
**Subject** : **Medical Genetics**

Candidate was advised to modify the aims and objectives of the study, which requires more literature search. Modified protocol may be re-submitted.

**Title :** Validation of indigenously developed device for early detection of diabetic neuropathy and prevention of consequent foot complications.

**Principal Investigator** : **Dr. Rajani Mullerpatan**  
**Professor – Director**  
**MGM School of Physiotherapy**

Members suggested to provide safety certificate from manufacturer before enrolling patients.

### 3. Research Publications of MGMIHS:

The compilation of the Publications of the MGMIHS for the years 2014-2018 was carried out E-Merge to get the database and Indexing of the articles.

4. Discussion on re-constitution of Publication Guidelines Committee:  
The Research Publications of the MGMIHS was reviewed by the SAC, it was suggested to have Publication Committee to look into the details of the Research Publications to improve the quality publications at the MGMIHS.
5. Amendment of Guidelines on Publications:  
Previous Guidelines of Publications were discussed and certain amendments were suggested to be incorporated and placed in the next meeting.
6. MGM Journal of Medical Sciences update:  
The issues of the MGM Journal of Medical Sciences have not been printed on time by the JP publisher and the indexing of the journal in Scopus/PubMed has not been achieved, due to the fact that there is delay in the publication issues, it was suggested to look for a new publisher to published the MGM Journal of Medical Sciences
7. Any other matter with the permission of Chair:  
As there was no other matter for discussion, meeting ended with vote of thanks.

  
(Member Secretary)



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**Minutes of the Scientific Advisory Committee (SAC)**

Meeting of the Ethics Committee for Research on Human Subjects of MGM Institute of Health Sciences, Navi Mumbai was held on 17<sup>th</sup> April 2019 at 10.00 am in the 3<sup>rd</sup> Floor, Conference Hall. The following members had participated in the meeting:

- |                            |   |                  |
|----------------------------|---|------------------|
| 1. Dr. Alaka Deshpande     | : | Chairperson      |
| 2. Dr. Prakash P Doke      | : | Member           |
| 3. Dr. Abhijit De          | : | Member           |
| 4. Dr. Shirish Joshi       | : | Member           |
| 5. Dr. Atmaram Bandivdekar | : | Member           |
| 6. Dr. Raman P Yadav       | : | Member           |
| 7. Dr. J C Sharma          | : | Member           |
| 8. Dr. Karuna Ramraje      | : | Member           |
| 9. Shri E A Patil          | : | Member           |
| 10. Dr. Savita Shahani     | : | Member Secretary |

Dr. Alaka Deshpande chaired the meeting

The following members had informed their inability to attend the meeting:

Dr. Chander P Puri  
Dr. Smita Mahale  
Dr. Ipseeta Ray

- 1] **Title :** Validation of indigenously developed device for early detection of neuropathy and prevention of consequent foot complications

Principal Investigator : Dr. Rajani Mullerpatan  
Director, MGM School of Physiotherapy

Following comments were made by members:

- Title may be modified as "Validation of indigenously developed device for measuring stiffness of planter tissue"
- Study may be restricted to type 2 diabetics only

- c. Define inclusion criteria in details regarding duration of diabetes, Blood sugar/ HbAC range
- d. Suggested to include diabetic patients from MGM Hospital, Navi Mumbai
- e. Patient Information Sheet to be modified as suggested
- f. Specify how control group will be registered
- g. Separate information sheet to be prepared for control group
- h. CRF to be modified to add more information regarding duration of diabetes, HbAC values, medication details

Revised protocol to be submitted incorporating changes as suggested by members.

- 2] **Title :** Use of induced pluripotent stem cells (iPSC) Technology for Biomarker Discovery and High-throughput Drug Screening to Predict Treatment Outcome in Patients with Cancer of the Female Reproductive Tract (Ca Ovarian, Ca Cervix and Ca Uterus)

Principal Investigator : Dr. Suresh Advani, Medical Oncologist,  
Shushrut Hospital, Chembur

Following comments were made by members

- a. Team can't be PI/Co-investigators
- b. Review of literature to be enclosed and mention clearly the work already done in your centre and information available in literature.
- c. Mention information regarding infrastructure existing at the centre where tissue processing will be done.
- d. Specify aims for collection of different tissues and source:
  - i. Malignant tissues from various types of malignancy and name of associated oncologist.
  - ii. Other biological fluids and non malignant tissue collected from patients
  - iii. Tissues/ biological fluid collected from volunteers
- e. How healthy volunteers will be enrolled and is there any provision for compensation for participation by volunteers.
- f. Separate informed consent documents required for healthy volunteers.
- g. Clarify how long biological samples will be stored in your facility and facility where further processing of biological samples is done.
- h. Ethics committee members will have rights to visit centre from where your biological samples are collected as well as centre where further processing will be done.

Revised protocol to be submitted incorporating changes as suggested by members

- 3] **Title :** Use of induced pluripotent stem cells (iPSC) technology for Biomarker Discovery and High-throughput drug screening to predict treatment outcome in lung cancer patients

Principal Investigator : Dr. Suresh Advani, Medical Oncologist,  
Shushrut Hospital, Chembur

Following comments were made by members

- a. Team can't be PI/Co-investigators
- b. Review of literature to be enclosed and mention clearly the work already done in your centre and information available in literature.
- c. Mention information regarding infrastructure existing at the centre where tissue processing will be done.
- d. Specify aims for collection of different tissues and source:
  - i. Malignant tissues from various types of malignancy and name of associated oncologist.
  - ii. Other biological fluids and non malignant tissue collected from patients
  - iii. Tissues/ biological fluid collected from volunteers
- e. How healthy volunteers will be enrolled and is there any provision for compensation for participation by volunteers.
- f. Separate informed consent documents required for healthy volunteers.
- g. Clarify how long biological samples will be stored in your facility and facility where further processing of biological samples is done.
- h. Ethics committee members will have rights to visit centre from where your biological samples are collected as well as centre where further processing will be done.

Revised protocol to be submitted incorporating changes as suggested by members

- 4] **Title:** Use of induced pluripotent stem cells (iPSC) technology for Biomarker Discovery and High-throughput drug screening to predict treatment outcome in oral cancer patients

Principal Investigator : Dr. Suresh Advani, Medical Oncologist,  
Shushrut Hospital, Chembur

Following comments were made by members

- a. Team can't be PI/Co-investigators
- b. Review of literature to be enclosed and mention clearly the work already done in your centre and information available in literature.
- c. Mention information regarding infrastructure existing at the centre where tissue processing will be done.
- d. Specify aims for collection of different tissues and source:
  - i. Malignant tissues from various types of malignancy and name of associated oncologist.
  - ii. Other biological fluids and non malignant tissue collected from patients
  - iii. Tissues/ biological fluid collected from volunteers
- e. How healthy volunteers will be enrolled and is there any provision for compensation for participation by volunteers.
- f. Separate informed consent documents required for healthy volunteers.
- g. Clarify how long biological samples will be stored in your facility and facility where further processing of biological samples is done.

- h. Ethics committee members will have rights to visit centre from where your biological samples are collected as well as centre where further processing will be done.

Revised protocol to be submitted incorporating changes as suggested by members

5] **Title:** Development and use of induced pluripotent stem cells (iPSC) for Biomarker Discovery and Drug Screening in Breast Cancer

Principal Investigator : Dr. Suresh Advani, Medical Oncologist,  
Shushrut Hospital, Chembur

Following comments were made by members

- a. Team can't be PI/Co-investigators
- b. Review of literature to be enclosed and mention clearly the work already done in your centre and information available in literature.
- c. Mention information regarding infrastructure existing at the centre where tissue processing will be done.
- d. Specify aims for collection of different tissues and source:
  - i. Malignant tissues from various types of malignancy and name of associated oncologist.
  - ii. Other biological fluids and non malignant tissue collected from patients
  - iii. Tissues/ biological fluid collected from volunteers
- e. How healthy volunteers will be enrolled and is there any provision for compensation for participation by volunteers.
- f. Separate informed consent documents required for healthy volunteers.
- g. Clarify how long biological samples will be stored in your facility and facility where further processing of biological samples is done.
- h. Ethics committee members will have rights to visit centre from where your biological samples are collected as well as centre where further processing will be done.

Revised protocol to be submitted incorporating changes as suggested by members

6] **Title:** Development and use of induced pluripotent stem cells (iPSC) for Biomarker Discovery and Drug Screening in prostate Cancer

Principal Investigator : Dr. Suresh Advani, Medical Oncologist,  
Shushrut Hospital, Chembur

Following comments were made by members

- a. Team can't be PI/Co-investigators
- b. Review of literature to be enclosed and mention clearly the work already done in your centre and information available in literature.
- c. Mention information regarding infrastructure existing at the centre where tissue processing will be done.

- d. Specify aims for collection of different tissues and source:
  - i. Malignant tissues from various types of malignancy and name of associated oncologist.
  - ii. Other biological fluids and non malignant tissue collected from patients
  - iii. Tissues/ biological fluid collected from volunteers
- e. How healthy volunteers will be enrolled and is there any provision for compensation for participation by volunteers.
- f. Separate informed consent documents required for healthy volunteers.
- g. Clarify how long biological samples will be stored in your facility and facility where further processing of biological samples is done.
- h. Ethics committee members will have rights to visit centre from where your biological samples are collected as well as centre where further processing will be done.

Revised protocol to be submitted incorporating changes as suggested by members

**7] Title: International network for Asia-Pacific Antimicrobial Stewardship**

Principal Investigator : Dr. Divyashree S, Consultant, Infectious Diseases, MGM New Bombay Hospital, Vashi.

Following comments/suggestions were made by members:

- a. Standardised module of intervention to be submitted.
- b. How would difference in antibiotic prescription due to seasonal variation will be considered.
- c. Incorporate informed consent document.

Revised protocol to be submitted incorporating changes as suggested by members.

**8] Title: Randomized controlled study to assess effectiveness and acceptability of mobile app based interventional tool for cardiovascular disease self-management and risk factor control among diabetic patients**

Principal Investigator : Dr. Ipseeta Ray, Professor, Dept. of Pharmacology, MGM Medical College & Hospital, Kamothe

Study protocol was approved unanimously.

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Dr. Savita Shahani  
(Member Secretary)



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**Minutes of the Scientific Advisory Committee (SAC)**

Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on 25<sup>th</sup> April 2019 at 09.30 am in the Conference Hall. The following members had participated in the meeting:

- |                            |   |             |
|----------------------------|---|-------------|
| 1. Dr Smita Mahale         | : | Chairperson |
| 2. Dr. Deepak Modi         | : | Member      |
| 3. Dr. Atmaram Bandivdekar | : | Member      |
| 4. Dr. Raman P Yadav       | : | Member      |
| 5. Dr. G D Jindal          | : | Member      |
| 6. Dr. Z G Badade          | : | Member      |
| 7. Dr. Rita Abbi           | : | Member      |

**Title :** Estimation of DNA-damage in exfoliated cells of PAP Smear: An opportunistic DNA-based risk assessment of cervical cancer

**Principal Investigator :** Dr. Bani B Ganguly

1. PCR based details of HPV shall be incorporated for all.
2. To follow safety protocol for handling infectious samples
3. Baseline information of MN in Cervical Cancer
4. If DNA damage is high in PAP VE individuals
5. To specify the age range of participants (i.e. 18 to 50 years) only reproductive age group.
6. Counseling and reporting word shall be removed
7. DNA damage data should be available with Co-PI for future examination
8. Sub-grouping of individuals depending on PAP/MN investigations
9. Statistical power of samples size
10. If >60 years shall be considered, since they are at risk.

**Title :** Study of effect of iron nanoparticles on iron deficiency anaemia using rat model

PhD Student	:	Smital Kulkarni
Guide	:	Dr. Mansee Thakur
Subject	:	Biotechnology

Histopathological slides to be reviewed in consultation with Veterinary Pathologist.

Synopsis approved

**Title :** Study of sympathetic and parasympathetic activity in Controls and hypertensive subjects

**PhD Student** : Mansi S Sawant  
**Guide** : Dr. G D Jindal  
**Subject** : Biotechnology

Results to be co-related in consultation with statistician  
To do more literature survey on research topic for thesis writing to elaborate on tables.  
Synopsis approved.

**Title :** An epidemiological assessment of brucellosis and associated risk factors in South Nagpur, Maharashtra

**PhD Student** : Dr. Satish L Ghugey  
**Guide** : Dr. Maninder S Setia  
**Subject** : Community Medicine

Present data in proper format  
Statistical analysis will be done  
Progress of research work is satisfactory.

**Title:** Study of amylin and inflammatory markers of coronary artery disease with Type-2 Diabetes Mellitus

**PhD Student** : Yogita S Phapale  
**Guide** : Dr. Z G Badade  
**Subject** : Biochemistry

Highlight the findings in a proper table with explanation  
Define age group and distribution  
Specify markers  
Speed up the work

**Title :** Study of lipoarabinomannan as a biomarker for the Diagnosis of tuberculosis and response to treatment

**PhD Student** : Arth Nath Dube  
**Guide** : Dr. A D Urhekar  
**Subject** : Microbiology

To increase the sample size  
To determine the cut-off value of the kit (range of negative LAM value in (ng/L)

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Procedure to detect extra-pulmonary tuberculosis before enrolling the patient in the study  
Speed-up the research work

Note: Efforts could be made to publish PhD research work articles in authentic journals of PubMed, Scopus and Web of Science.

*hsew*  
Dr. Savita Shahani  
(Member Secretary)



**MGM INSTITUTE OF HEALTH SCIENCES**  
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**Minutes of the Ethics Committee for Research on Human Subjects (ECRHS)**

Meeting of the ECRHS of MGM Institute of Health Sciences, Navi Mumbai was held on **26<sup>th</sup> June, 2019 at 10.00 am** at 3<sup>rd</sup> Floor, Conference Hall. The following members had participated in the meeting.

1. Dr Alaka Deshpande	:	Chairperson
2. Dr. Chander P Puri	:	Member
3. Dr. A Bandivdekar	:	Member
4. Dr. Abhijit De	:	Member
5. Dr. Karuna Ramraje	:	Member
6. Dr. Shirish Joshi	:	Member
7. Dr. Ipseeta Ray	:	Member
8. Shri. E A Patil	:	Member
9. Shri. J C Sharma	:	Member
10. Dr. Savita Shahani	:	Member Secretary

Dr. Alaka Deshpande Chaired the meeting.

The following members had informed their inability to attend the meeting:

Dr. Prakash P. Doke  
Dr. Smita Mahale  
Dr. Raman P Yadav

**Title of Research Project :** Development and use of induced pluripotent stem cells (iPSCs) for Biomarker Discovery and Drug Screening in Breast Cancer

Principal Investigator : Dr. Suresh H Advani  
Principal Investigator  
Shushrut Hospital, Chembur

Research project was approved unanimously.

**Title of Research Project :**Use of induced pluripotent stem cells (iPSC) Technology for Biomarker Discovery and High-throughput Drug Screening to Predict Treatment Outcome in Patients with Ovarian Cancer

Principal Investigator : Dr. Suresh H Advani  
Principal Investigator  
Shushrut Hospital, Chembur

Research project was approved unanimously.

**Title of Research Project :**Use of induced pluripotent stem cells (iPSC) technology for Biomarker Discovery and High-throughput drug screening to predict treatment outcome in lung cancer patients

Principal Investigator : Dr. Suresh H Advani  
Principal Investigator  
Shushrut Hospital, Chembur

Research project was approved unanimously.

**Title of Research Project :**Use of induced pluripotent stem cells (iPSC) technology for Biomarker Discovery and High-throughput drug screening to predict treatment outcome in oral cancer patients

Principal Investigator : Dr. Suresh H Advani  
Principal Investigator  
Shushrut Hospital, Chembur

Research project was approved unanimously.

**Title of Research Project :**Development and use of induced pluripotent stem cells (iPSC) for Biomarker Discovery and Drug Screening in prostate Cancer

Principal Investigator : Dr. Suresh H Advani  
Principal Investigator  
Shushrut Hospital, Chembur

Research project was approved unanimously.

**Title of Research Project :** International network for Asia-Pacific Antimicrobial Stewardship

Principal Investigator : Dr. Divyashree S  
MGM New Bombay Hospital, Vashi

Research project was approved unanimously.

**Title of Research Project:** Validation of an indigenously developed device for measuring stiffness of plantar tissue

Principal Investigator : Dr. Rajani Mullerpatan  
Director, MGM School of Physiotherapy

Permission letter is required from concerned Physician participation in the study from MGM Hospital, Kamothe.

Modify the selection criteria as per as per WHO classification.

CRF to be modified as per suggestion

Protocol is approved subject to submission of changes as suggested.

**Title of Research Project:** Effect of drumstick leaf powder supplementation on Iron deficiency anaemia among school age children in selected Government Schools of Dadra and Nagar Haveli

PhD Scholar : Amar Alim Mulla  
Subject : PhD Scholar (Nursing)

Test product may be given as add on therapy to conventional supplements


All grades of anaemia can be included

Basis for standardization of dose of test product for various age group to be provided

Appropriate permission for manufacturing food products to be obtained

Permission from appropriate authority should be obtained for conducting the study.

Revised protocol along with appropriate permissions may be submitted for review of project

  
Dr. Savita Sahani  
(Member Secretary)



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**Minutes of the Scientific Advisory Committee (SAC)**

Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on 5<sup>th</sup> July 2019 at 10.00 am in the Conference Hall. The following members had participated in the meeting:

- |                       |   |                  |
|-----------------------|---|------------------|
| 1. Dr Smita Mahale    | : | Chairperson      |
| 2. Dr. Deepak Modi    | : | Member           |
| 3. Dr. Raman P Yadav  | : | Member           |
| 4. Dr. Ipseeta Ray    | : | Member           |
| 5. Dr. Rita Abbi      | : | Member           |
| 6. Dr. Savita Shahani | : | Member Secretary |

1. **Title :** To study phenotypic characteristics of different types of diabetes in the young and genetic characterization of monogenic diabetes (MODY)

PhD Student	:	Neha More
Guide	:	Dr. Parineeta Samant
Subject	:	Biochemistry

Progress of study is satisfactory. Candidate was suggested that sample size may be recalculated based on the results of interim analysis.

2. **Title :** Isolation of multifunctional molecule from plant and its antidiabetesity potential

PhD Student	:	Priyanka Rathod
Guide	:	Dr. Raman P Yadav
Subject	:	Biotechnology

Progress of study is satisfactory. Candidate was suggested to use reverse phase to get a single peak and then can process for molecular identification and confirm whether active ingredient is a single molecule or a mix of molecules. Member suggested to use appropriate unit for enzyme inhibition. It was also suggested to detect if presence of contaminant in study product has any effect over the study.

3. **Title :** Associative role of MTHFR, PTB & TYMS6bpdel polymorphisms with reference to pre-term delivery

PhD Student : Surya Panikar  
Guide : Dr. Mansee Thakur  
Subject : Genetics

Candidate was suggested to put preeclampsia as a separate group. Members suggested that sample size may be recalculated based on background information. It was also suggested to standardize methodology, reconfirm the results.

4. **Title:** Studies on maternal colonization of group B streptococcus and its association with preterm deliveries, preeclampsia & still birth

PhD Student : Abhishek Singh  
Guide : Dr. A D Urhekar  
Subject : Microbiology

Members suggested confirmation and explanation for unexpected results which were observed. Based on further characterisation of organism title of project may require modification.

5. **Title :** Comparative study of cytoarchitectue of fetal cerebrum of non-eclamptic and eclamptic mothers

PhD Student : Muthuchitra Pandian  
Guide : Dr. Anjali Sabnis  
Subject : Anatomy

Members suggested to look for if any association is observed between growth of brain cells with gender. Members suggested to focus on migration of cells and it can be expressed in terms of days on which changes are seen. It was suggested that if required sample size can't be achieved in stipulated time inclusion criteria may be made more broader.

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6. **Title :** Isolation of plant derived efflux pump inhibitor and its drug susceptibility potential in *Plasmodium falciparum*

**PhD Student** : Chandana Kulkarni  
**Guide** : Dr. Raman P Yadav  
**Subject** : Biotechnology

Members suggested properties of efflux pump in bacteria vs plasmodia to see for their similarities and focus only on these two models. Plasmodia cell lines may be authenticated every 6 monthly. Members also suggested to use Daphnia model only for toxicity studies of the selected compound.

Note: Efforts could be made to publish PhD research work articles in authentic journals of PubMed, Scopus and Web of Science.

  
Dr. Savita Shahani  
(Member Secretary)



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### Minutes of the Scientific Advisory Committee (SAC)

Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on 13<sup>th</sup> September, 2019 at 09.00 am in the Conference Hall. The following members had participated in the meeting:

- |                       |   |                  |
|-----------------------|---|------------------|
| 1. Dr Smita Mahale    | : | Chairperson      |
| 2. Dr. Deepak Modi    | : | Member           |
| 3. Dr. Chander P Puri | : | Member           |
| 4. Dr. Raman P Yadav  | : | Member           |
| 5. Dr. Mansee Thakur  | : | Member           |
| 6. Dr. Rita Abbi      | : | Member           |
| 7. Dr. Savita Shahani | : | Member Secretary |

**Title:** Study of neuronal and glial changes in human Olfactory pathway with age  
study of neuronal and glial changes in human

PhD Student	:	Monali Sonawane
Guide	:	Dr. Aruna Mukherjee
Subject	:	Anatomy

Advised to apply appropriate statistical test as suggested for different parameters  
Subjective scores may be used for histological parameters  
Appropriate scale may be used for histological studies  
Members suggested to present the synopsis again incorporating the changes as suggested.

**Title:** Embryogenesis of human gonads

PhD Student	:	Sumi Elizebeth
Guide	:	Dr. Aruna Mukherjee
Subject	:	Anatomy

Candidate has not presented.

**Title:** Study of amylin and inflammatory markers of coronary artery disease with  
type-2 diabetes mellitus

PhD Student : Yogita Phaple  
Guide : Dr. Z G Badade  
Subject : Biochemistry

Appropriate statistical test to be applied and check for statistical analysis.

**Title:** Design develop and functional evaluation of mycobacterium tuberculosis DNA detection system

PhD Student : Yogesh Patil  
Guide : Dr. Mansee Thakur  
Subject : Biotechnology

Members suggested to use LED in place of lesser detector to reduce cost and bulk of detector.

Quantify results by adding additional filters

Estimation may be kept as blinded procedure

**Title:** A study of expression of stem cell regulator in Oral Leukoplakia: A potentially malignant disorder of Oral Cavity

PhD Student : Kamlesh Dekate  
Guide : Dr. Mansee Thakur  
Subject : Genetics

Candidate was advised to recalculate sample size based on prevalence of disease in each group.

Progress of work was found satisfactory.

**Title:** Immunoexpression of stem cells markers in histopathologically graded low risk and high risk oral leukoplakia

PhD Student : Neharika Swain  
Guide : Dr. Mansee Thakur  
Subject : Genetics

Recalculate sample size based on prevalence of disease in each group

Can reduce number of Control group

Try to correlate disease with plasma nicotine level

Match the gender ratio of control and test group

Progress of work was found satisfactory.

  
Dr. Savita Shahani  
Member Secretary