



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 14th December, 2020 at 10.00 am through virtual platform. The following members had participated in the meeting:

- | | | |
|-----------------------|---|---------------------|
| 1. Dr. Smita Mahale | : | Chairperson |
| 2. Dr. Chander P Puri | : | Member |
| 3. Dr. Deepak Modi | : | Member |
| 4. Dr. Raman P Yadav | : | Member |
| 5. Dr. Mansee Thakur | : | Member |
| 6. Dr. Ipseeta Ray | : | Member |
| 7. Dr. Rita Abbi | : | Member |
| 8. Dr. Sabita M Ram | : | Director (Research) |
| 9. Dr. Savita Shahani | : | Member Secretary |

Title: Embryogenesis of human gonads

- | | | |
|-------------|---|------------------------|
| PhD Student | : | Sumi Elizebeth |
| Guide | : | (Dr. Aruna Mukherjee)* |
| Subject | : | Anatomy |

Synopsis was approved. However Chairperson suggested that synopsis should have full results and discussion. Chairperson suggested guide to ensure that revised synopsis is submitted for the record.

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

- | | | |
|-------------|---|-----------------------|
| PhD Student | : | Muthuchitra R Pandian |
| Guide | : | (Dr. Anjali Sabnis)* |
| Subject | : | Anatomy |

Members suggested that before concluding the results foetal data should be correlation with presenting symptoms of mother, by taking detailed history from mother. Members also suggested to improve staining procedure to confirm findings of immune histochemistry. It was also suggested that candidate should have knowledge about the

technology of procedures which are outsourced. This will help candidate in better interpretation of results.

Title: To study the antibacterial activity of bacteriocin produced by probiotic bacteria on drug resistant intestinal pathogen-An in vitro study

PhD Student : Akanksha Chauhan
Guide : (Dr. S A Samant)*
Subject : Microbiology

Members wanted to confirm which new aspect is being studied in this project as lot of studies have been done on the same topic. Members also wanted to know purpose of study , if it is to characterize new strain of organism producing bacteriocin than multiple samples should be considered. Members suggested to define research objective and proceed based on objectives to obtained meaningful data.

Title: Anti-adhesive activity of biosurfactants against biofilm producing organisms found in medical devices

PhD Student : Pooja Vishwakarma
Guide : (Dr. S A Samant)*
Subject : Microbiology

Members inquired that as research on bio surfactant is well explored which newer aspect candidate will be exploring. They also suggested adding additional source of water for screening.

Title: Molecular detection of carbapenem resistant organisms from endotracheal secretions of patients with ventilator associated pneumonia

PhD Student : Anamika Chalwadi
Guide : (Dr. S A Samant)*
Subject : Microbiology

As the research project was planned in pre-COVID time, members advised to redefine inclusion and exclusion criteria if required in post- COVID era.

Informed consent document may be modified for patients on ventilator.

While analysing the results additional groups may be incorporated like COVID positive patients with bacterial infection, patients with hospital acquired infection

Title: Study of role of yoga and modified diet on general Well-being in patients with Thalassaemia major

PhD Student : Hitali Mali
Guide : (Dr. R S Inamdar)*
Subject : Physiology

Dr. S A Samant

Members commented that sample size selected is insufficient for this type of studies therefore affords may be made to enrol more case for which statistician may be consulted. Both the groups in the study should be matching in all characteristics. Members also wanted to know how compliance regarding yoga and diet adherence will be confirmed. Members suggested that if feasible pre-interventional and post interventional data may be collected in same patients for comparison

Title: To study the genetic spectrum of Thalassemia and its correlation with phenotype

PhD Student : **Shruti Bhowad**
Guide : **(Dr. Parineeta Samant)***
Subject : **Biochemistry**

Members were of opinion that for genotyping study larger sample is required. Members also wanted to know which new parameters are being studied in this study. Members advised candidate to reappear for the SAC with guide to discuss the with members if required.

Title: Inhibition study of efflux pump by curcumin and nanocurcumin and its potential in rifampicin susceptibility in *Mycobacterium Tuberculosis*

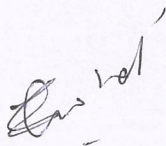
PhD Student : **Harshita Mohanty**
Guide : **(Dr. R P Yadav)***
Subject : **Molecular Biology**

Members suggested to use other technology to check purity of curcumin. It can also be confirmed from data given by supplier. As nanocurcumin is light and pH sensitive it should be considered to obtained uniform results. Members were satisfied with progress of study

Title: Design and development of SiO₂. QD based non invasive system for detection of IFN- γ and IP-10 antigen of tuberculosis (TB)

PhD Student : **Sanjana Thuruthel**
Guide : **(Dr. R P Yadav)***
Subject : **Biotechnology**

Members were satisfied with progress of study.



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Member Secretary



MGM INSTITUTE OF HEALTH SCIENCES
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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 16th February, 2021 at 10.00 am through virtual platform. The following members had participated in the meeting:

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|------------------------|---|---------------------|
| 1. Dr. Smita Mahale | : | Chairperson |
| 2. Dr. Chander P Puri | : | Member |
| 3. Dr. Deepak Modi | : | Member |
| 4. Dr. R S Inamdar | : | Member |
| 5. Dr. Raman P Yadav | : | Member |
| 6. Dr. Mansee Thakur | : | Member |
| 7. Dr. Ipseeta Ray | : | Member |
| 8. Dr. Rita Abbi | : | Member |
| 9. Dr. Sabita M Ram | : | Director (Research) |
| 10. Dr. Savita Shahani | : | Member Secretary |

Title: Efficacy of topical curcumin in combination with topical steroid on clinical symptoms and on salivary levels of TNF-alpha and TIMP-1 in clinically diagnosed Stage I and Stage II Oral Sub Mucous Fibrosis - A randomized clinical trial.

PhD Student	:	Neha Patil
Guide	:	Dr. P N Khandelwal
Subject	:	Molecular Biology

Members wanted to confirm whether proper guidelines were followed for collecting and storing samples specially collected enzyme estimation.

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	:	Genetic

Members were satisfied with progress of work.

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

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

Members wanted to know whether after initial planning of work any other gene or polymorphism has been reported in literature which may be an add on work from leftover samples, to which guide clarified that they have plan to take study ahead but additional work will not be included in this dissertation work.

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 do more titration so that cut-off sensor reading for positivity may be decided. Members were satisfied with progress of study.

Title: Immunoexpression of stem cell markers in histopathologically Graded low risk and high risk oral leukoplakia

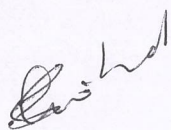
PhD Student : Niharika Swain
Guide : Dr. Mansee Thakur
Subject : Genetic

Members were satisfied with progress of study. It was suggested that instead of IRS pattern of scoring which is done manually for assessing hyperplasia other easier methods of calculation are available on websites which may be tried. Progress of study is satisfactory

Title: Clinical and Molecular assessment of salivary matrix metalloproteinase - 8 and amylase in healthy and chronic periodontitis (and its inhibition using natural molecules).

PhD Student : Bharat Gupta
Guide : Dr. Raman P Yadav
Subject : Molecular Biology

Progress of study is satisfactory considering the limitations due to current pandemic. Members suggested to start invitro lab work simultaneously if clinical data is not sufficient.



Title: Association of circulating microRNAs and Irisin peptide with risk of myocardil infarction

PhD Student : Santosh Gawali
Guide : Dr. Z G Badade
Subject : Biochemistry

Members commented that sample size is small to give any conclusion due to high SD of irisin peptide level in various groups. Members advised to follow appropriate protocol for storage of sample for further study.

Title: Study of Phospholipases A2 Levels In Children with Malaria and co-relation of its level with severity of malaria in children

PhD Student : Jiteendra Gavhane
Guide : Dr. Nitin Kadam
Subject : Pediatrics

As data was not analysed it was not presented and hence no comments can be made.

Title: Differentiation of activity of tuberculosis on basis of detection of secretary lipolytic enzymes of tubercle bacilli in blood in children

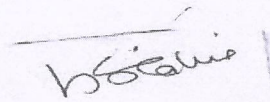
PhD Student : Vijay Kamale
Guide : Dr. Prisca Colaco
Subject : Pediatrics

Members advised that while analyzing the results other confounding factors which may affect lipolytic enzymes to be considered. Candidate suggested that apart from lipolytic enzymes some other parameters will be incorporated for diagnosis of disease.

At the end Chairperson commented that:

- All candidates must mention in presentation about number of previous SAC presentations.
- To improve quality of publications by publishing research papers in journals with good impact. Dr. Sabita M Ram, Director (Research) of MGMIHS, informed to members such guidelines are already in place with MGMIHS.

Meeting ended with vote of thanks to chair



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 11th June, 2021 at 10.00 am through virtual platform. The following members had participated in the meeting:

- | | | |
|------------------------|---|---------------------|
| 1. Dr. Smita Mahale | : | Chairperson |
| 2. Dr. Chander P Puri | : | Member |
| 3. Dr. Deepak Modi | : | Member |
| 4. Dr. R S Inamdar | : | Member |
| 5. Dr. Raman P Yadav | : | Member |
| 6. Dr. Mansee Thakur | : | Member |
| 7. Dr. Ipseeta Ray | : | Member |
| 8. Dr. Swati Mahajan | : | Member |
| 9. Dr. Sabita M Ram | : | Director (Research) |
| 10. Dr. Savita Shahani | : | Member Secretary |

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

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

- Members suggested to use appropriate statistics to compare term v/s preterm data
- Nucleotide sequencing required to be cleaned and reanalysed. Electroferogram analysis may be done
- Further literature search may be done to confirm if any new point mutation, which is not reported earlier has been detected in this study. If any novel observation has been observed in this study, it should be confirm by repetition of analysis.
- Genotyping in objective 3 requires modified statistical analysis due to small sample size. Data may be reanalysed for confirmation.

Synopsis is approved

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

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

- Using specific enzyme inhibitors, concentration gradient study may be done
- Using In-silico model enzyme binding studies to a particular site may be studied
- Some *invitro* studies may be included to measure enzyme levels
- In later stage some *invivo* animal studies may be included in the study.

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

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

Even though sample size was small, some statistical test may be applied to compare various groups.
There is fair progress of study.

Title: To study the genetic spectrum of Thalassemia and its correlation with phenotype

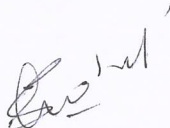
PhD Student : Shruti Bhowad
Guide : Dr. Parineeta Samant
Subject : Biochemistry

Presentation requires improvement as same data was presented in different form
Apply appropriate statistical tests for comparing various groups. Scatter plot may be used to show deviations
Changes may be compared with control reference to get more clarity.

Title: Pharmacological and technology based interventional studies for cardiovascular disease risk reduction among patients with Type 2 diabetes mellitus

PhD Student : Prithviraj Erande
Guide : Dr. Ipseeta Ray
Subject : Pharmacology

- Data generated from pilot study regarding app development may be segregated into Patient's opinion and Physician's opinion.
- Members enquired whether during obtaining baseline information dietician would be involved for counselling both the groups. Some more details using pictorial form may be added during counselling.
- Statistics may be replied based on acceptability studies to recalculate sample size.



Title: Study of role of yoga and modified diet on general well-being in patients with Thalassaemia major

PhD Student : Hitali Mali
Guide : Dr. R S Inamdar
Subject : Physiology

- Due to current pandemic situation yoga trainer may take online yoga training classes of participants and candidate may confirm compliance by observing participants online
- Proper statistics should be applied while presenting the data
- While presenting the data normal reference range should also be mentioned
- If any such related studies are done in-house earlier it may also be looked upon.

Title: Molecular detection of carbapenem resistant organisms from endotracheal secretions of patients with ventilator associated pneumonia

PhD Student : Anamika Chalwadi
Guide : Dr. S A Samant
Subject : Microbiology

- Progress of study is satisfactory.
- Members advised that while presenting the data participant's confidentiality should be maintained

Title: To study the antibacterial activity of bacteriocin produced by probiotic bacteria on drug resistant intestinal pathogen-An in vitro study

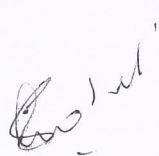
PhD Student : Akanksha Chauhan
Guide : Dr. S A Samant
Subject : Microbiology

- Progress of work is satisfactory.
- Members suggested that if there is any future plan of sequencing lactobacilli obtained from various sources it may be planned simultaneously.

Title: Anti-adhesive activity of biosurfactants against biofilm producing organisms found in medical devices

PhD Student : Pooja Vishwakarma
Guide : Dr. S A Samant
Subject : Microbiology

Progress of work is satisfactory



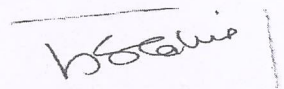
Any other matter:

Members suggested that to improve the presentation of candidates apart from orientation course, some additional training may be provided.

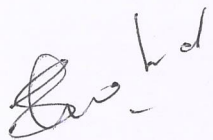
They also suggested that during evaluation of candidate their quality of presentation in SAC may also be considered.

It was advised that all candidates must be present while presentations are going on, to get experience regarding how others are presenting.

Meeting ended with vote of thanks to chair



Member Secretary





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Minutes of the Scientific Advisory Committee (SAC) **Medical and Biomedical Sciences**

Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on 20th August, 2021 at 10.00 am through virtual platform. The following members had participated in the meeting:

- | | | |
|-----------------------|---|---------------------|
| 1. Dr. Smita Mahale | : | Chairperson |
| 2. Dr. Chander P Puri | : | Member |
| 3. Dr. Deepak Joshi | : | Member |
| 4. Dr. R S Inamdar | : | Member |
| 5. Dr. Raman P Yadav | : | Member |
| 6. Dr. Suvarna Magar | : | Member |
| 7. Dr. Rajesh Dase | : | Member |
| 8. Dr. Sabita M Ram | : | Director (Research) |
| 9. Dr. Mansee Thakur | : | Member Secretary |

1. The minutes and meeting held on 11th June 2021 was read and confirmed.
2. PhD synopsis of Dr. Muthuchitra Pandian (PhD Anatomy) was reviewed and comments were recorded.

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

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

Suggestions for 1st objective:

- i. Patient's identity should not be revealed.
- ii. Review of literature should be update
- iii. Suggestions for larger magnification of slides to be included.

Anjali Sabnis

Suggestions for 2nd objective:

- i. Graph and histopathology images should have proper legends depicting parameters.
- ii. Application and presentation of statistical analysis should be revisited.
- iii. Discussion should be elaborated.

Synopsis is approved subject to incorporation of the above suggestions.

3. PhD Research Sox Monthly Progress Report Presentation:

a) **Title:** Design, develop and functional evaluation of mycobacterium Tuberculosis DNA detection system

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

The progress is satisfactory and synopsis approved subject to completion of the term.

b) **Title:** To study the maternal colonization of Group B streptococcus and enterococcus and their association with preterm deliveries and preeclampsia

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

Suggestion: Publication should be focused on PhD topic and Guide/Name of Institute should be given credit. The progress of study is satisfactory.

c) **Title:** Efficacy of topical curcumin in combination with topical steroid on clinical symptoms and on salivary levels of TNF-alpha and TIMP-1 in clinically diagnosed Stage I and Stage II Oral Sub Mucous Fibrosis - A randomized clinical trial.

PhD Student : Neha Patil
Guide : Dr. P N Khandelwal
Subject : Molecular Biology

Suggestion: i. Title of the topic should be revisited
ii. Objective wise alignment of methodology, results and discussion should be represented.

The progress of study is satisfactory.

Urhekar

d) **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 : **Genetic**

Suggestion: Odds ratio should be incorporated.
The progress of study is satisfactory and synopsis presentation to be done subject to completion of term.

e) **Title:** Immunoexpression of stem cell markers in histopathologically Graded low risk and high risk oral leukoplakia

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

Members had appreciated the work. The progress of study is satisfactory and synopsis presentation to be done subject to completion of term.

f) **Title:** Clinical and Molecular assessment of salivary matrix metalloproteinase - 8 and amylase in healthy and chronic periodontitis (and its inhibition using natural molecules).

PhD Student : **Bharat Gupta**
Guide : **Dr. Raman P Yadav**
Subject : **Molecular Biology**

Suggestion: 1. Clinical level term should be changed to clinical profile in Objectives.
2. Graphical and statistical representation should be revisited.

Meeting ended with vote of thanks to chair.


Member Secretary





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Minutes of the Scientific Advisory Committee (SAC) Medical and Biomedical Sciences

Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on 9th September, 2021 at 10.00 am through virtual platform. The following members had participated in the meeting:

- | | | |
|-----------------------|---|---------------------|
| 1. Dr. Smita Mahale | : | Chairperson |
| 2. Dr. Chander P Puri | : | Member |
| 3. Dr. Deepak Joshi | : | Member |
| 4. Dr. R S Inamdar | : | Member |
| 5. Dr. Ipseeta Ray | : | Member |
| 6. Dr. Suvarna Magar | : | Member |
| 7. Dr. Rajesh Dase | : | Member |
| 8. Dr. Sabita M Ram | : | Director (Research) |
| 9. Dr. Mansee Thakur | : | Member Secretary |

1. The minutes and meeting held on 20th August, 2021 was read and confirmed. While confirming the minutes of the meeting, suggestions received from the members to have a feed back on the Research Activity carried out and the following suggestions were given by the members:
 - A six monthly report on the steps taken towards enhancement and capacity building in Research of the MGMIHS should be discussed.
 - Research outcome of University - Extramural/Intramural funds, Seed Money, FDP, Publications, Patents, Copyrights, etc., should be displayed in graphical form to maintain the track record for self-assessment.
 - Action taken report to be discussed before every SAC Meeting.
 - There should be one Biostatistician dedicated in the University for PhD students.
2. To review and approve the PhD Thesis Research Protocol of PhD Batch 2020 (03 Nos.) :

Dr. Smita Mahale