



MNR MEDICAL COLLEGE & HOSPITAL

MNR Nagar, Fasalwadi, Sangareddy - 502 294, Sangareddy Dist. Telangana. India

Ph: + 85000 56667, (08455) 230523, 230527, 230524 Fax No. (08455) - 230555, 230533

Our college believes that every student has their own way of learning and the pace at which they understand and learn things. So, our college believes in giving equal opportunity to all students and help needed to them on individual basis as no student is same as the other.

After a student is enrolled in our college, a mentor is assigned to him/her via mentor-mentee program. Faculty identifies the slow and advanced learners following the policy for slow and advanced learners.

IDENTIFICATION CRITERIA FOR SLOW LEARNERS:

1. Not performing well in exams continuously – more than 3 exams
2. Marks below 35% in internals
3. Their progress in class work, assignments, seminars is poor

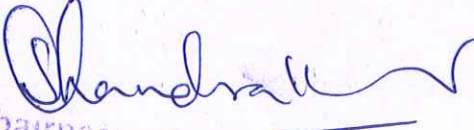
IDENTIFICATION CRITERIA FOR ADVANCED LEARNERS:

1. Marks above 75% in internals
2. Selected for projects
3. Winning scientific conferences and quizzes
4. Presenting and publishing good papers and studies

Students are individually helped out and encouraged accordingly with special programs assigned to them. These programs will help the students on an individual basis ensuring their betterment.

SPECIAL PROGRAMS FOR SLOW LERANERS:

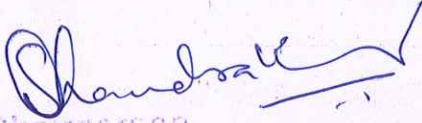
1. Remedial classes
2. Group study with advanced learners
3. Tutorial assignments
4. Class tests on previous years question papers
5. Extra reading material
6. Betterment courses
7. Local language classes for students outside the state with language issues
8. Small group interactive discussions
9. Counseling by mentors - Academic and personal counselling
10. Role play



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SPECIAL PROGRAMS FOR ADVANCED LERANERS:

1. Encouraged to read reference books
2. Advanced questions
3. Encouraged to attend and participate in conferences, academic fests, workshops at other institutions
4. To participate in quizzes, debates and competitions
5. To be part of student council and organize events like academic and cultural fests etc.
6. Attend guest lectures to enhance their knowledge
7. Encouraged by honoring them with awards annually
8. Encouraged to prepare models and charts
9. Given opportunities to do mini-project work, interdisciplinary or intra disciplinary or outdoor based activities according to their interest.
10. Self – directed learning


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Telangana, India

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e-mail : mnrmc@mnrindia.org; website : www. mnrindia.org

List of ICMR Projects submitted – Last 5 years

S.No	Name of student	Name of guide	Department	Title
1.	Shivani zerikunthe	Dr. Mounika	Pharmacology	Incidence of adverse drug events after covid -19 vaccination among rural population
2.	Y. Srivalli	Dr. Ravi D. Mala	Pharmacology	Assessment of knowledge, attitude and perception of pharmacovigilance among medical students towards reporting adverse drug reactions at a rural teaching hospital in telangana
3.	Narra Divyasree	Dr. Madhukar	Pharmacology	Role of angiotensin converting enzyme inhibitors and angiotensin receptor blockers in prevention and protection against covid-19 infection
4.	Ganji Varsha	Dr. Grishma kulkarni	Microbiology	Detection of covid-19 antigen by rapid diagnostic test
5.	Y. Nikhitha	Dr. Anurag Yadav	Biochemistry	Post covid syndrome : The spectrum of symptoms challenging the patient health care post discharge
6.	Dhulipala riddhi	Dr. Nagababu	Biochemistry	Knowledge,attitude,perception among rural population towards covid -19 vaccination in Sangareddy ,Telangana,India
7.	P. SAi Keerthana	Dr. B. V. Patil	Pharmacology	Role of nutraceuticals in control of covid-19 pandemic
8.	M. Nitisha	Dr. Shaheed	Gen. Medicine	A study of effect of papaya extract in thrombocytopenia of non-dengue fever cases
9.	Abhishek	Dr. Deepika	Ophthalmology	Utility of platelet indices in diabetic retinopathy
10.	G. Varsha	Dr. Sachin	Pathology	Training of future medical robots : deep neural networks with attention mechanism in histopathology to diagnose chronic cholecystitis disease
11.	Akshay Kulkarni	Dr. Vipula	Microbiology	An evaluation of efficacy of antibacterial bulbs in preventing hospital acquired infection in MNR hospital, Sangareddy
12.	J. Maheshwari	Dr. Kirankumar	Forensic Medicine	Determine the means and manner of injury by forensic analysis of hair
13.	Varsha	Dr. Shivakumar	SPM	A cross-sectional study on knowledge, attitude and practices of diabetes control and prevention among people working in MNR group of institutions


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Principal / IQAC Chairperson
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MEDICAL RESEARCH
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This is to certify that Mr. Akshay Kulkarni student of MBBS-III of M. N. R. Medical College & Hospital, Sangareddy has completed the Short Term Studentship (STS) for a period of two months during 2021 under the guidance of Dr. Vijaya Kumar Asenath Vipula for the project entitled, "An evaluation of the efficacy of anti-bacterial bulbs in preventing hospital acquired infection in MNR hospital, Sangareddy." (Ref. No. 2020-05848) and the Report was satisfactory.

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Mukesh Kumar

Dr. Mukesh Kumar
Scientist G & Head, IIC & IICD
ICMR
Chairperson
Internal Quality Assurance Cell (IQAC)
Medical College & Hospital

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Rajiv Bahl

Dr. Rajiv Bahl
Secretary, Department of Health Research &
Director General, ICMR

APPLICATION ATTESTATION FORM (AAF) STS 2022

STS Reference ID: 2022 - 06189
 Name of the Student: MAHESHWARI JAYASRI MAHESHWARI
 Name of the Guide: DR. VENKATA NAGA KIRAN KUMAR JONNALAGADDA
 Name of Medical/Dental College: M.N.R. Medical College,
Sangareddy, Telangana
 Title of the STS Proposal: Determine the means &
Manner of Injury by Forensic Analysis
of Hair



Certificate to be signed by the Student

I certify that I am an MBBS/BDS student and am here by providing true information in the online application form for STS 2022 best to my knowledge. I am submitting only one application for STS 2022. In the event any information is found to be false, my studentship may be cancelled. I also certify that the research proposal is an original work prepared under the guidance of my Guide. I confirm that I have not committed 'plagiarism' in preparing this proposal. I understand that after evaluation of my proposal, I may or may not be selected and I shall abide by the decision of ICMR.

If selected, I shall follow all instructions provided on ICMR website for carrying out the research, preparation and submission of STS report. I also understand that if I am unable to complete my project & submit the report before the last date, no certificate or stipend will be awarded to me. I have gone through all the Instructions and Terms & Conditions for STS 2022 provided on ICMR website and will abide by them.

Signature of Student: [Signature] Name of the Student: Maheshwari Jayasri Kondraju
 Date: 19-2-2022

Certificate to be signed by the Guide

I agree to accept the applicant Mr/Ms. Maheshwari Jayasri Kondraju studying in MBBS/BDS-I/II/III/IV (tick appropriate). I certify that he/she is not an intern or student of other courses and I will offer him/her all facilities and guidance for carrying out STS research. I also certify that the proposal is an original submission prepared by the student under my guidance. I confirm that neither me and nor my student have committed 'plagiarism' in preparing this proposal. I am forwarding only one STS 2022 student application. If my student is selected, I shall provide required facilities to enable early completion of research work, so that the report is submitted before the last date.

Signature of Guide: [Signature] Name: DR. VENKATA NAGA KIRAN KUMAR JONNALAGADDA
 Designation: ASSOCIATE PROFESSOR
 Department: FORENSIC MEDICINE

Attested By

[Signature]
 Signature of Head of Department
 Head of the Department
 Forensic Medicine
 MNR Medical College & Hospital
 VENKAT NAGA KIRAN KUMAR JONNALAGADDA
 (Name in Block letters with seal)

[Signature]
 Signature of Head of Medical/Dental College
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 J. T. VENKAT RAMANAIAH
 (Name in Block letters with seal)

fill form completely & check it before submission.

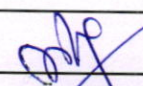
[Signature]
 Chairperson
 Internal Quality Assurance Cell (IQAC)

[Signature]
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PART-A (Registration Details)

Reference ID	2022-06189
Email ID	mahi.athreya@gmail.com
Course Details	
Name	Ms. Maheshwari Jayasri Kondraju
Date of Joining	30/08/2018 dd/mm/yyyy
Course	MBBS
Year	III
College Name	MNR Medical College & Hospital, Sangareddy
College Address	MNR Nagar, Fasalwadi, Narsapur Road Sangareddy 502294 Telangana
College Telephone	08455-230523 Extension
Student Personal Details	
Gender	Female
Nationality	Indian
Date of Birth	19/12/1994 dd/mm/yyyy
Home Address	G-1, Sai Siva Krishna Apartments, Priya Colony, Gudimalkapur, Mehdiapatnam Hyderabad 500028 Telangana
Mobile	9177674112
Alternate Mobile	9000785729
Alternate Email ID	maheshwari.kondraju@gmail.com
Residence Telephone No.	-
Where correspondence to be sent	Home


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Part-B (Guide Details)

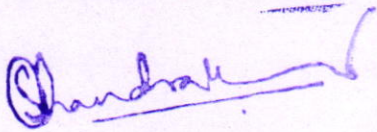
Guide Name	Dr. Kiran Kumar Venkata Naga Jonnalagadda
Designation	Associate Professor
Department	forensic medicine
College	MNR Medical College & Hospital, Sangareddy
College Address	111, padmanabha residency padmarao nagar hyderabad 500025 Telangana
Mobile	9652862996
Telephone	Residence: - Office: - Extension
Guide email	nsvlskumar@gmail.com

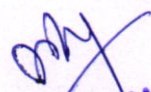
PART-C (Attachments)

Application Attestation Form	Yes
Ethical Clearance	No
Inform Consent Form	No
Case Study Form	No
Study Questionnaire	No

PART-D (Proposal Details)

Title	Determine the Means and Manner of Injury by Forensic Analysis of Hair
Type of Study	Observational
Subject Area	Anatomy & Forensic medicine
Department (where study will be conducted)	Forensic Medicine
Research Proposal	Yes


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REFERENCE ID: 2022-06189

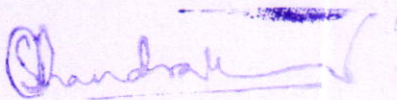
TITLE: DETERMINE THE MEANS AND MANNER OF INJURY BY FORENSIC ANALYSIS OF HAIR

INTRODUCTION:

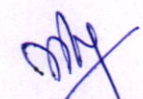
Hair is an important forensic tool for identification of an individual. The identification of the individual is by DNA analysis of hair found on the body of a victim or found at the scene of crime and comparison with the suspect. Not only this, hair from an animal can be planted at the scene of crime and it becomes important to differentiate human from animal hair. Hair is also a source of sample for toxicology analysis in cases where the individual was exposed to a poison.

Much literature is available on the above mentioned forensic uses of hair but besides these, hair can also be used to determine the means of injury to a person, whether the injury is by a blunt object, or sustained in a road traffic accident or injury is sustained by fire burns or by a sharp object.

The ends of Hair at the site of bodily injury caused by blunt object and in road traffic accidents appear crushed. The hair in a case of burns by fire shows singeing which is due to melting of keratin and is different from burns by other means like by hot liquids (scalding) or by chemicals (chemical burns). The ends of hair at the site of bodily injury caused by sharp weapon appear cut. Injuries by blunt weapon over bony prominences like, scalp, shin of leg will look like incised wounds (incised-looking lacerations). In such cases, particularly scalp wounds, examination of hair edges at wound margins will help in identification of weapon causing the injury.



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By determining the means of injury the forensic expert in turn can make out the manner of injury, whether it is accidental or homicidal, and hence determine the type of weapon used to cause that injury.

Hair could prove to be useful evidence in cases of sexual assault. Sexual offences against women have been a matter of discussion after 'Nirbhaya case' and many amendments have been done in the laws pertaining to offences against women. The hair may be left on the body or hand of the victim or be found at the crime scene in cases of sexual assault. In such cases the hair found at scene is pulled hair and hence the significance of the study.

OBJECTIVES:

1. Determine means of injury whether it is caused by blunt or sharp object, or by road traffic accident, by fire burns or in cases of sexual assault.
2. Identify the type of weapon causing the injury.
3. Manner of injury whether accidental or homicidal
4. Determine entry wound in cases of firearm injuries or electrocution.

METHODOLOGY:

Type of study: Observational study

Subject area: Anatomy & Forensic Medicine Departments.

Study design: Cross-sectional study

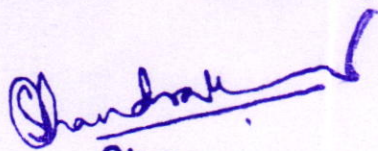
Study population: Students of MNR Medical College, Sangareddy

Sample size: 50

Selection criteria:

Inclusion criteria:

50 Students from 2017 to 2021 batch will be randomly selected and hairsamples would be taken.


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Exclusion criteria:

Students who are not willing to be part of the study.

Students with skin diseases will not be included in the study.

Data collection procedures and instruments:

50 students, 25 males and 25 females, from 2017 to 2021 MBBS batches will be randomly selected as sample for the study. After taking consent, a few strands of fallen hair and pulled hair will be collected from each student. Then, some hair samples will be crushed, cut and burnt. The normal fallen hair, pulled hair, crushed, cut and burnt hairs will be put on a slide and a coverslip kept in place by using DPX (Dibutylphthalate Polystyrene Xylene) as mounting medium. These samples will be observed under a compound microscope at 40x and 100x and the findings noted. Photographs will be taken in all the cases.

Participant Consent:

Consent will be taken from all students in written form

Ethical Considerations:

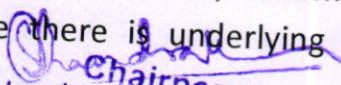
Ethics clearance will be obtained from the institutional ethics committee prior to beginning the study.

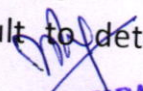
Statistical analysis:

The data of the participants will be collected in proforma and the sample data will be represented in tables and photos.

IMPLICATIONS:

The study will help in determining the means and type of weapon used in causing injuries. Means of injury can be blunt/sharp weapon, road traffic accidents, fire burns, firearm injuries and sexual offence. On regions of body where there is underlying bone it is sometimes difficult to determine

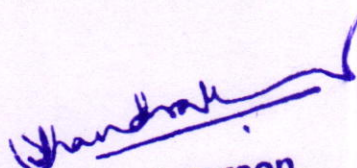

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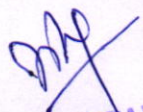

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whether the injury is by blunt weapon or sharp weapon. In burns cases it may be difficult to say whether the burns sustained is by fire or by some other means like hot liquids and chemicals. In sexual assault cases pulled hair may be found on location. Hence, this study of hair in injury cases can be helpful in such cases where there is doubt in determining the means of injury.

REFERENCES:

1. Brooks E, Robertson J. A practical guide to the forensic examination of hair: from crime scene to court. CRC Press, 2021; 1:84-7.
2. Aparna R, Yadav SK. Role of hair as Evidence in Investigation: A Forensic Approach. IJSER.2013;4(11):1779-84.
3. Usman M, Naseer A, Baig Y, Jamshaid T, Shahwar M, Khurshuid S. Forensic toxicological analysis of hair: a review. Egypt J Forensic Sci. 2019;9(1):1-12.
4. Robertson J. Managing the forensic examination of human hairs in contemporary forensic practice, Australian Journal of Forensic Sciences. 2017;49(3):239-60.
5. Robertson J. An appraisal of the use of microscopic data in the examination of human head hair. Journal of the Forensic Society 1982; 22(4)392-5.


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