

## **DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY M.G.M. MEDICAL COLLEGE, INDORE**

Department of Forensic Medicine & Toxicology has been established since 1986 as separate department in MGM Medical College, Indore. This department also give training to the M.B.B.S. students, M.D. students along with various government medical officers posted at various places in Indore Division for proper handling of medico-legal cases. This department also give knowledge to M.B.B.S. and M.D. students about legal aspect of medical practise so they can do legally sound medical practise in future. Department of Forensic Medicine & Toxicology also help law enforcement agency (Police, Magistrate and Judicial Court) by conducting medico-legal post-mortems followed by reports, giving opinion as member of various medico-legal boards and by deposition of expert evidence in various honourable courts. This department is also conducting various research activities to enrich our subject.

This department is also taking classes for police officers about MLC, post-mortem and departmental functioning to make them more competent for better investigation. This department is also taking classes for judicial officers to sensitise them and making them aware for various medico-legal terminologies and procedures.

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**Faculty Members**

**Officer's List**

<b>SNo</b>	<b>Name</b>	<b>Post</b>	<b>Mobile Numbers</b>
1	Dr. P. S. Thakur	Professor / HOD	9826015120
2	Dr. B. K. Singh	Associate Professor	9713167594
3	Dr. T. S. Pendro	Assistant Professor	9039493136
4	Dr. J. S. Tomar	Assistant Professor	7772011128
5	Dr. S. K. Soni	Assistant Professor	8602473767
6	Dr. N. M. Unda	Tutor / Demonstrator	9405026248
7	Dr. A. K. Lanjewar	Tutor / Demonstrator	9827064581
8	Dr. Prashant P. Rajpoot	Tutor / Demonstrator	9575101539
9	Dr. Mahendra Sharma	Tutor / Demonstrator	9009290093

**Supporting Staff**

<b>SNo</b>	<b>Name</b>	<b>Post</b>	<b>Mobile Numbers</b>
1	M. S. Qureshi	Lab Tech.	9424074759
2	Sunil Kulkarni	Peon	9893076754
3	Ishwar Babulal Chouhan	Peon	8224834476
4	Rajendra Fatrod	Sweeper	7770818151

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**1. CME Conducted: 04 By DR.P.S.THAKUR (Prof. & HOD)**

- a) **As master trainer in Regional training centre Indore on the topic of “Guideline of Medico-legal Care for Survivors/Victims of Sexual Offences” and “Solution of difficulties and problems in Post-mortem and Medico-Legal cases” for Medical officers of Madhya Pradesh.**
- b) **As master trainer in Seminar room of Obstetrics & Gynecology Department of M.G.M. Medical College, Indore on the topic of “Guideline of Medico-legal Care for Survivors/Victims of Sexual Offences” for Consultants, Senior Residents and Post Graduate students of Obstetrics & Gynecology Department of M.G.M. Medical College, Indore Madhya Pradesh.**
- c) **As master trainer in Seminar room of Forensic Medicine & Toxicology Department of M.G.M. Medical College, Indore on the topic of “Guideline of Medico-legal Care for Survivors/Victims of Sexual Offences” for Consultants, Demonstrators and Post Graduate students of Forensic Medicine & Toxicology Department of M.G.M. Medical College, Indore Madhya Pradesh.**
- d) **As Medico-legal Expert for Police Officers of Indore District on the topic of “Role of Medico-Legal Examination, findings, material preservations and opinion in relation to police investigation & evidence submission for Honorable court proceedings” and “Police investigation in the cases of sexual violence after criminal amendment bill 2013”**

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**2. Academics Activities of The Department :**

**P.G. & U.G. STUDENTS TEACHING ROSTER FOR 2019**

DAYS	TIME				
	8:00-9:00 AM	9:00 AM– 1:00 PM	1:00 PM – 2:00 PM	2:00 PM – 3:00 PM	3:00 PM -4:00 PM
Monday	U.G. Class By Faculty (4 <sup>th</sup> & 5 <sup>th</sup> Semester)	Practical Teaching Of P.G. Student by Faculty	Lunch	U.G. Class Tutorial By Faculty (4 <sup>th</sup> & 5 <sup>th</sup> Semester)	U.G. Class Practical By P.G./Demonstrator (4 <sup>th</sup> & 5 <sup>th</sup> Semester)
Tuesday	-			Journal Club Presentation By P.G.	
Wednesday	-			Discussion About Medicolegal Cases	Faculty Class For P.G.
Thursday	U.G. Class By Faculty (3 <sup>rd</sup> Semester)			U.G. Class Tutorial By Faculty (3 <sup>rd</sup> Semester)	U.G. Class Practical By P.G./Demonstrator (3 <sup>rd</sup> Semester)
Friday	-			Seminar Presentation By P.G	
Saturday	-			Discussion About Medicolegal Cases	Departmental Meeting on review of ongoing research projects

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**Paper & Poster Presentation in State/National Conferences in last 03 year**

S. NO	TOPIC	CONFERENCE & YEAR	PRESENTOR/ CO PRESENTATOR
1	An interesting case of child abuse maltreatment syndrome-Poster	XXXVIII <sup>th</sup> Annual National Conference IAFM Forensic Medicon- 2017 Mumbai	DR.RAHUL AGARWAL/ DR.S.S.CARPENTER
2	Sexual perversion leading to unusual form of death- Poster	1 <sup>st</sup> FMTMPCON 2017, Index Medical College, indore, in April 2017	DR.PANKAJ NEMA/ DR.N.M.UNDA
3	An interesting unknown case with contradictory findings in skull, sternum and teeth for age estimation-a case report”	2 <sup>nd</sup> FMTMPCON 2018, L.N. MEDICAL COLLEGE & J. K Hospital Bhopal, in January 2018	DR.DEVESH PATERIA/DR.PANKAJ NEMA
4	Role of meticulous examination in deciding cause and manner of death in advance stage of decomposition” –a case report	2 <sup>nd</sup> FMTMPCON 2018, L.N. MEDICAL COLLEGE & J. K Hospital Bhopal, in January 2018	DR.NANDEEP KUSHWAHA/ DR.A.K.RASTOGI
5	A Case of electrocution mislead by railway accident :- A Case Report	2 <sup>nd</sup> FMTMPCON 2018, L.N. MEDICAL COLLEGE & J. K Hospital Bhopal, in January 2018	DR.PANKAJ NEMA
6	An interesting forensic photographs.-poster	2 <sup>nd</sup> FMTMPCON 2018, L.N. MEDICAL COLLEGE & J. K Hospital Bhopal, in January 2018	DR.PANKAJ NEMA/ DR.B.K.SINGH
7	“An Interesting Case Of Smothering.”- poster	2 <sup>nd</sup> FMTMPCON 2018, L.N. MEDICAL COLLEGE & J. K Hospital Bhopal, in January 2018	DR.MOHIT SHRIVASTAVA /DR.T.S.PENDRO
8	“An Interesting Case Of Pulmonary Embolism. A Case Report.”	XXXIX <sup>th</sup> Annual National Conference IAFM Forensic Medicon- 2018 JIPMER, Puducherry, India 2018	DR.MOHIT SHRIVASTAVA /DR.T.S.PENDRO
9	“Railway Train Accident Case Turn Out To Be A Case Of Homicidal Cut Throat Injury. A Case Report.”	XXXIX <sup>th</sup> Annual National Conference IAFM Forensic Medicon- 2018 JIPMER, Puducherry, India 2018	DR.RAHUL AGARWAL/ DR.PANKAJ NEMA

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10	An autopsy proven pulmonary embolism in hospitalized patient	3 <sup>RD</sup> FMTMPCON 2019,N.S.C.B.MEDICAL COLLEGE JABALPUR, in January 2019	DR.ASHISH K. VISHWAKARMA /DR.T.S.PENDRO
11	Analyzing pattern of death due to blunt force trauma in indore region a one year retrospective study	3 <sup>RD</sup> FMTMPCON 2019,N.S.C.B.MEDICAL COLLEGE JABALPUR, in January 2019	DR.MOHIT SHRIVASTAVA/ DR.RAHUL AGARWAL
12	Various interesting photographs of firearm injuries of different cases-POSTER	3 <sup>RD</sup> FMTMPCON 2019,N.S.C.B.MEDICAL COLLEGE JABALPUR, in January 2019	DR.MOHIT SHRIVASTAVA/ DR. S.K. SONI
13	Role of meticulous autopsy in completely burnt charred body a case report	40 annual national conference IAFM Forensic medicon, S.N. MEDICAL COLLEGE JODHPUR in January-feb 2019	DR.RAHUL AGARWAL/ DR.B.K.SINGH
14	Hingot yudh a danger game of fire ball a case report	40 annual national conference IAFM Forensic medicon, S.N. MEDICAL COLLEGE JODHPUR in January-feb 2019	DR.DEVESH PATERIA/ DR.N.M.UNDA
15	Self inflicted wounds as a result of escape mechanism whenever caught during committing crime a case report-POSTER	40 annual national conference IAFM Forensic medicon, S.N. MEDICAL COLLEGE JODHPUR in January-feb 2019	DR.DEVESH PATERIA/ DR.SK.SONI

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**Publications From The Department During Last 3 Years:**

Sr. No.	PUBLICATIONS
1.	Rastogi AK , Singh BK, Dadu SK. Demographic profile and pattern of death of Foetus & infants. JIAFM/2016-38-1
2.	Xaxa S., Dadu S.K., Thakur P.S., Agrawal R., Singh B.K. An autopsy based correlation study about developing standards for estimation of stature from foot anthropometry in male population of central India region (Indore, M.P.). IJMT-18-1 Vol.16 2018-Jan-March
3.	Kushwah N, Thakur PS, Rastogi AK, Dadu SK, Singh BK. An autopsy based correlation study about developing standards for estimation of stature from anthropometry combined length of forearm and Hand in male population of central India region (Indore, M.P.). IJFMT-18-2 Vol.16, April-June-2018
4.	Xaxa S., Dadu S.K., Thakur P.S., Agrawal R., Singh B.K. An autopsy based correlation study about developing standards for estimation of stature from foot anthropometry in female population of central India region (Indore, M.P.) JIAFM Vol.04(4) Oct-Dec-2018.
5.	Agrawal R., Thakur P.S., Shrivastava M., Singh B.K., Pendro T.S. Demographic profile of Autopsy in Indore region- One year prospective study. Indian J. Forensic Community Medicine. 2018; 5 (4): 245-249.
6.	Pateria D., Thakur P.S., Agrawal R., Singh B.K., Tomar J. Autopsy based profile of death in burn cases - One year prospective study. Indian J. Forensic Community Medicine. 2018; 5 (4): 236-239.
7.	Shrivastava M., Thakur P.S., Pateria D., Singh B.K., Soni S.K. Autopsy based one year prospective study of death due to hanging. Indian J. Forensic Community Medicine. 2018; 5 (4): 240-244.
8.	Rastogi AK, Singh BK, Dadu SK, Pendro TS. Unknown dead bodies profile and pattern of cause of death in central India. One year retrospective autopsy based study in Indore (MP). JFMT Vol. 35 No. 2 July – Dec. 2018
9.	Pendro TS , Sharma Mahendra, Singh BK, Rastogi AK, Dadu SK. Demographic study of fatal cranio-cerebral injuries in RTA at Indore region of central India. Indian Journal of FM & Toxicology IJFMT Vol.35 No.2 July – Dec. 2018
10.	Pendro TS , Singh BK, Rastogi AK, Dadu SK. A study about sex determination from distal epiphyseal measurement of adult dry humerus bone in central India (Indore) population. JFMT. Vol. 35 No.1 Jan.- June 2018
11.	Pendro TS , Singh BK, Rastogi AK, Dadu SK. Sexual dimorphism from proximal epiphyseal measurement of adult dry humerus bone in central India (Indore) population. JIAFM 2018-5A
12.	Nema Pankaj, S.K.Dadu, B.K.Singh. Estimation of age from fusion of body of sternum in central india indore region. region.(M.P.) JIAFM/ 2018-99
13.	Nema Pankaj, Dadu S.K., Singh B.K., Rastogi A.K., Pendro T.S. An autopsy based study about Bisexual variation in the fusion of sternal body segments in the central India region. Journal of Forensic Medicine & Toxicology Vol.35 No.1 Jan-June 2018.
14.	Tomar JS, Soni S, Singh BK, Agrawal R. Clinico-Epidemiological Profile of assault cases at a tertiary centre in indore. Int J Forensic Med Toxicol Sci 2019;4(2):39-41.

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**Thesis of the PG Students of the Department During Last 5 Years:**

<b>Year of admission to the PG Course/ Thesis submission year</b>	<b>Name of Candidate</b>	<b>Thesis Topic</b>
2015/2017	Dr. Nandeep Kushwaha	An Autopsy Based Correlation Study About Developing Standards For Estimation Of Stature From Anthropometry Of Combined Length Of Forearm And Hand In Central India Region (M.P.)
2015/2017	Dr. Pankaj Nema	An Autopsy Based Correlation Study About Developing Standards For Estimation Of Age And Sex From Anthropometry Of Sternum In Central India Region (M.P.)
2016/2018	Dr. Rahul Agrawal	An Autopsy Based Correlation Study About Developing Standards For Estimation Of Stature From Anthropometry Of Percutaneous Length Of Tibia In Central India Region (M P).
2017/2019	Dr. Mohit Shrivastava	An Autopsy Based Correlation Study About Developing Standards For Estimation Of Stature From Anthropometry Of Percutaneous Length Of Femur In Central India Region (M P).
2017/2019	Dr. Devesh Pateria	An Autopsy Based Correlation Study About Developing Standards For Estimation Of Stature From Anthropometry Of Percutaneous Length Of Arm In Central India Region (M P).
2018/ continue	Dr. Ashish K. Vishwakarma	An Autopsy Based Descriptive Study Of Asphyxial Deaths Due To Hanging At A Tertiary Care Centre In Central India Region (M.P.)
2018/ continue	Dr. Ankit Pandey Jain	An Autopsy Based Correlation Study About Developing Standards For Estimation Of Stature From The Distance Between Two Anterior Superior Iliac Spines In Central Region Of India (M.P.)



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**3. Awards & achievements:**

**a) Dr. P.S. Thakur (Professor & HOD) is president of Medico-Legal Association of Madhya Pradesh.**

**b) Dr. Devesh Pateria (PG Resident) got 1<sup>st</sup> prize in paper presentation in FMT-MPCON IIInd MLEA-MP Conference in L.N. Medical College, Bhopal.**

**c) Dr. Ashish K. Vishwakarma (PG Resident) got 1<sup>st</sup> prize in poster presentation in FMT-MPCON IIIrd MLEA-MP Conference in NSCB medical college, Jabalpur.**

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**4. Clinical Material of the Department :**

Nomenclature	Mortuary	Museum	Sexual Offences Exam. Lab.(shared with Obs & Gynae Department)	Research Lab.	Medicolegal Examination lab
Size (Area)	32 x 30 sq.mtr (960 sq.mtr)	32x32 sq. ft	4 x 3 sq.mtr. (12 sq. mtr.)	9 x 5 sq.mtr. (45 sq.mtr)	4 x 2.5 sq.mtr. (10 sq.mtr.)
Capacity	120 students in Demo room, 50 to 60 in mortuary		Adequate	Adequate	Adequate
List of equipments	<b>1. X-Ray View Box Two In One</b> <b>2.Vernier Calipers</b> <b>3.Equipment for Reporting Height</b> <b>4.Dissection Set</b> <b>5.Cold Storage For Dead Bodies</b> <b>6.Stryker Type Autopsy Saw With Accessories</b> <b>7.Weighing Machine For Organs</b>  <b>8.Weighing Machine For Fetus</b>  <b>9.Brain Knife</b> <b>10.Rib Shear Left &amp; Right</b> <b>11.Magnifying Lens</b> <b>12.X- Ray View Box (4 In 1)</b> <b>13.Instrument Trolley</b> <b>14.Stretchers</b>	<b>1. Specimens: 89</b> <b>2. Bones: 721</b> <b>3. Weapons: 40</b> <b>4. Poisons:112</b> <b>5. Slides: 78</b> <b>6.Charts / Diagrams: 40</b> <b>7. Models: 30</b> <b>8. Photographs: 97</b> <b>9. X-rays: 114</b>	<b>1.Gyanecology Examination Table.</b> <b>2. Light Source</b> <b>3.Vaginal Speculum</b> <b>4.Weight Machine</b> <b>5.Examination Kit</b> <b>6. Instrument For Height Measurement.</b>	<b>1.Automatic Tissue Processor:01</b> <b>2.Water Bath Paraffin Box:01</b> <b>3. Centrifuge Machine:01</b> <b>4. Slide Warming Table: 01</b> <b>5. Digital Ph Meter:01</b> <b>6.Chemical Balance: 01</b> <b>7. Hot Plate: 01</b> <b>8. Weigh Machine &amp; Staedimeter:01</b> <b>9. Microscope (Binocular): 11</b> <b>10.Microscope (Monocular): 64</b> <b>11. Titration Beaker &amp; Tube:10</b> <b>12.Microtome: 01</b> <b>13. L.Modes</b> <b>14. Chemicals</b> <b>15. Anthrope metric set - 00</b> <b>16.Refrigerator</b>	<b>04 Examinations kit each having 43 articles</b>

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	<p>for shifting dead bodies 15.suction machine 16.Disposable Cap-Mask- Gown, Gloves Etc. 17.Cotton Rolls, 18.Suture Materials Etc. 19.Formalin, Rectified Spirit,Lugol's Iodine 20.Swabs, Preservative Bulbs etc. 21.Viscera Bottles etc. 22.Syringe (5, 10, 50 ml) 23.Preservative Salts 24.Packing and Sealing materials 25.Sims Speculum 26.Cuscos Speculum 27.Sponge holding forceps 28.Toothed forceps 29.Proctoscope 30.Torch 31.Desktop Computer 32.Printer with Scanner</p>				
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**Year-wise available clinical materials (during previous 3 years) for Department.**

<b>Parameters</b>	<b>(2017)</b>	<b>(2018)</b>	<b>(2019)</b>
Total number of Medico-legal autopsies	2199	2447	2350
Total number of Pathological autopsies	--	--	--
Total number of Victims examined of sexual offences	Done in the department of Obs & Gynae (98)	Done in the department of Obs & Gynae (157)	Done in the department of Obs & Gynae (127)
Total number of accused of sexual offences	Done in the casualty 182	282	240
Total number of age estimation of sexual offences.	05	12	06
Total number of pregnancies certification of sexual offences	Done in the department of Obs & Gynae	NA	NA