

**PEOPLE'S COLLEGE OF MEDICAL SCIENCES & RESEARCH CENTRE,  
BHANPUR, BHOPAL  
UNDERGRADUATE COURSE  
MBBS: OPHTHALMOLOGY**

<p><b>Program outcomes</b></p>	<p>At the end of the course, the student should have knowledge of:</p> <ol style="list-style-type: none"> <li>1. common problems affecting the eye;</li> <li>2. principles of management of major ophthalmic emergencies</li> <li>3. main systemic diseases affecting the eye</li> <li>4. effects of local and systemic diseases on patient's vision and the necessary action required to minimise the sequelae of such diseases;</li> <li>5. adverse drug reactions with special reference to ophthalmic manifestations;</li> <li>6. magnitude of blindness in India and its main causes;</li> <li>7. national programme of control of blindness and its implementation at various levels</li> <li>8. eye care education for prevention of eye problems</li> <li>9. role of primary health centre in organization of eye camps</li> <li>10. organization of primary health care and the functioning of the ophthalmic assistant.</li> <li>11. integration of the national programme for control of blindness with the other national health programmes;</li> <li>12. eye bank organization</li> </ol>
<p><b>Program specific outcomes</b></p>	<p>At the end of the course, the student should be able to:</p> <ol style="list-style-type: none"> <li>1. elicit a history pertinent to general health and ocular status;</li> <li>2. assist in diagnostic procedures such as visual acuity testing, examination of eye, Schiottz tonometry, Staining for Corneal pathology, confrontation perimetry, Subjective refraction including correction of presbyopia and aphakia, direct ophthalmoscopy and conjunctival smear examination and Cover test.</li> <li>3. diagnose and treat common problems affecting the eye;</li> <li>4. interpret ophthalmic signs in relation to common systemic disorders;</li> <li>5. assist/observe therapeutic procedures such as subconjunctival injection, Corneal/Conjunctival foreign body removal, Carbolic cautery for corneal ulcers, Nasolacrimal duct syringing and tarsorrhaphy;</li> <li>6. provide first aid in major ophthalmic emergencies;</li> <li>7. assist to organise community surveys for visual check up;</li> <li>8. assist to organise primary eye care service through primary health centres;</li> <li>9. use effective means of communication with the public and individual to motivate for surgery in cataract and for eye donation;</li> <li>10. establish rapport with his seniors, colleagues and paramedical</li> </ol>

	workers, so as to effectively function as a member of the eye care team.
<b>Course outcomes</b>	At the end of the course, the student after undergoing the training should be able to practice as a clinical and as a primary eye care physician and also to function effectively as a community health leader to assist in the implementation of National Programme for the prevention of blindness and rehabilitation of the visually impaired.

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Board of Studies  
PCMS & RC**

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**Course Name: MS OPHTHALMOLOGY**

Program outcomes	<p>The clinical post graduate training programme are intended at developing in a student a blend of qualities that of a clinical specialist, a teacher and a researcher. These programmes are organized such that a post graduate student should possess the following qualities, knowledge and skills:</p> <ol style="list-style-type: none"><li>a. The student should possess basic knowledge of the structure, function and development of the human body as related to ophthalmology, of the factors which may disturb these mechanisms and the disorders of structure and function which may result thereafter.</li><li>b. The student should be able to practice and handle most day-to-day problems independently in Ophthalmology. The student should recognize the limitations of his/her own clinical knowledge and know when to seek further help.</li><li>c. The student should understand the effects of environment on health and be familiar with the epidemiology of at least the more common diseases in the field of Ophthalmology.</li><li>d. The student should be able to integrate the preventive methods with the curative and rehabilitative measures in the comprehensive management of the disease.</li><li>e. The student should be familiar with common eye problems occurring in rural areas and be able to deal with them effectively.</li><li>f. The student should also be made aware of Mobile Ophthalmic Unit and its working and components.</li><li>g. The student should be familiar with the current developments in Ophthalmic Sciences.</li><li>h. The student should be able to plan educational programmes in Ophthalmology in association with senior colleagues and be familiar with the modern methods of teaching and evaluation.</li><li>i. The student should be able to identify a problem for research, plan a rational approach to its solutions, execute it and critically evaluate his/her data in the light of existing knowledge.</li><li>j. The student should reach the conclusions by logical deduction and should be able to assess evidence both as to its reliability and its relevance.</li><li>k. The student should have basic knowledge of medico-legal aspects of medicine.</li><li>l. The student should be familiar with patient counseling and proper consent taking.</li></ol>
Program specific outcomes	<p>A Student upon successfully qualifying in the MS (Ophthalmology) Examinations should be able to:</p> <ol style="list-style-type: none"><li>a. Offer to community, the current quality of standard of care in Ophthalmic diagnosis as well as therapeutics, medical or surgical, in most of the common and easily managed situations at the level of health services.</li></ol>

	<ul style="list-style-type: none"> <li>b. Periodically self assess his or her performance and keep abreast with ongoing advances in the field and apply the same in his/her practice.</li> <li>c. Be aware of his or her own limitations to the application of the specialty in situations which warrant referral to more qualified centres or individuals.</li> <li>d. Apply research and epidemiological methods during his/her practice. The candidate shall be able to present or publish work done by him/her.</li> <li>e. Contribute as an individual/group towards the fulfillment of national objectives with regard to prevention of blindness.</li> </ul> <p>Effectively communicate with patients or relatives so as to educate them sufficiently and give them the full benefit of informed consent to treatment and ensure compliance.</p>
Course outcomes	<p>At the end of the course the student, after undergoing the training, should be able to deal effectively with the needs of the medical community and should be competent to handle all problems related to the specialty of Ophthalmology and recent advances in the subject.</p> <p>The post graduate student should also acquire skills in teaching Ophthalmology to medical and paramedical students and be able to integrate teaching of Ophthalmology with other relevant subjects, while being aware of her/his limitations.</p>

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