



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

# **YENEPOYA MEDICAL COLLEGE**

## **PROGRAM AND PROGRAM SPECIFIC/COURSE OUTCOMES**

### **POSTGRADUATE PROGRAM**

#### **MD PSYCHIATRY**

**ATTESTED**

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# PROGRAM OUTCOMES

## POSTGRADUATE PROGRAM

### MD PSYCHIATRY

The primary goal of the MD course in Psychiatry is to produce a post graduate clinician able to provide health care in the field of Psychiatry. A physician qualified in Psychiatry, at the end of the course, should be able to diagnose and treat psychiatric disorders, take preventive and curative steps for the disease in the community at all levels of health care and qualify as a consultant and teacher in the subject.

At the end of the MD course in Psychiatry, the student should have able to:

- PO1 Understand the relevance of mental health in relation to the health needs of the country
- PO2 Ethical considerations in the teaching and practice of Psychiatry
- PO3 Identify the social, economic, biological and emotional determinants of mental health
- PO4 Identify the environmental causes as determinants of mental health
- PO5 Institute appropriate diagnostic, therapeutic and rehabilitative procedures to the mentally ill patient
- PO6 Take detailed history, conduct appropriate ethically valid physical examination and institute appropriate evaluation procedures to make a correct clinical diagnosis
- PO7 Perform relevant investigative and therapeutic procedures for the psychiatric patient
- PO8 Recommend appropriate laboratory and imaging examinations and interpret the results correctly
- PO9 Plan and deliver comprehensive treatment of a psychiatric patient using principles of rational drug therapy
- PO10 Plan rehabilitation of psychiatric patient suffering from chronic illness
- PO11 Clinically manage psychiatric emergencies efficiently
- PO12 Demonstrate empathy and humane approach towards patients and their families and respect their sensibilities
- PO13 Demonstrate communication skills of a high order in explaining management and prognosis, providing counseling and giving health education messages to patients, families and communities
- PO14 Develop appropriate skills to practice evidence-based psychiatry
- PO15 Demonstrate competence in basic concepts of research methodology and epidemiology
- PO16 Be aware of and take appropriate steps in the implementation of national mental health programs, effectively and responsibly
- PO17 Be aware of the concept of essential drugs and rational use of drugs
- PO18 Be aware of the legal issues in the practise of Psychiatry
- PO19 Be aware of the special requirements in the practice of Child and adolescent Psychiatry and Geriatric Psychiatry.

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Research: The student should know the basic concepts of research methodology and plan a research project in accordance with ethical principles. S/he should also be able to interpret research findings and apply these in clinical practice. S/he should know how to access and utilize information resources and should have basic knowledge of statistics.

Teaching: S/He should learn the basic methodology of teaching and develop competence in teaching medical/paramedical students, health professionals, members of allied disciplines (e.g. behavioural sciences), law enforcement agencies, families and consumers and members of the public.

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# PROGRAM SPECIFIC/COURSE OUTCOMES

## POSTGRADUATE PROGRAM

### MD PSYCHIATRY

By the end of the course, the student should have acquired knowledge (cognitive domain), professionalism (affective domain) and skills (psychomotor domain) as given below:

#### A. Cognitive domain

**By the end of the course, the student should demonstrate knowledge in the following:**

##### 1. General topics:

1. The student should be able to demonstrate knowledge of basic sciences (Anatomy, Physiology, Biochemistry, Microbiology, Pathology and Pharmacology) as applied to Psychiatry.
2. The student should be able to explain aetiology, assessment, classification and management and prognosis of various psychiatric disorders (including psychiatric sub-specialities), and Neuroanatomy, Neurophysiology, Neurochemistry, Neuroimaging, Electrophysiology, Psychoneuroendocrinology, Psychoneuroimmunology, Chronobiology and Neurogenetics.
3. Acquire knowledge of delirium, dementia, amnesic & other cognitive disorders and mental disorders due to a general medical condition.
4. The student should be able to explain follow-up care of person suffering from chronic relapsing psychiatric ailments.
5. The student should acquire knowledge of emergency measures in acute crisis arising out of various psychiatric illnesses including drug detoxification and withdrawal.
6. The student should acquire knowledge of pharmacokinetics & pharmacodynamics of drugs involved in psychiatric management of patients.
7. The student should acquire knowledge of
  - a. normal child development and adolescence, mental retardation in children
  - b. learning & associated disorders and their management
8. The student should acquire knowledge and be able to explain mechanisms for rehabilitation of psychiatric patients.
9. The student should acquire knowledge of substance related disorders and their management.



10. The student should acquire knowledge of psychotic disorders, mood disorders, and anxiety disorders and their management
11. The student should acquire knowledge of sexual and gender identity disorders and their management.
12. The student should acquire knowledge of eating disorders and sleep disorders and their management.
13. The student should be conversant with recent advances in Psychiatry.
14. The student should be conversant with routine bedside diagnostic and therapeutic procedures and acquire knowledge of latest diagnostics and therapeutics procedures available.
15. The student should be conversant with various policy related aspects of Psychiatric practice in India (e.g. Mental Health Act, National Health Mental Health Programmes etc.).
16. The student should be conversant with research methodologies.


#### **B. Affective Domain:**

1. The student should be able to function as a part of a team, develop an attitude of cooperation with colleagues, interact with the patient and the clinician or other colleagues to provide the best possible diagnosis or opinion.
2. The student should always adopt ethical principles and maintain proper etiquette in dealings with patients, relatives and other health personnel
3. The student should demonstrate respect for the rights of the patient including the right to information and second opinion.
4. The student should develop communication skills to prepare reports and professional opinion as well as to interact with patients, relatives, peers and paramedical staff, and for effective teaching.

#### **C. Psychomotor domain**

At the end of the course, the student should acquire the following clinical skills and be able to:

- become an expert in good history taking, physical examination, mental state examination, and able to establish rapport and counsel family members and patients on scientific basis. choose the required investigations for both short and long term management.

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At the end of the course, the student should be able to:

1. Obtain a proper relevant history, and perform a humane and thorough clinical examination including detailed mental state examinations using proper communication skills.
2. Arrive at a logical working diagnosis and differential diagnosis after clinical examination.
3. Order appropriate investigations keeping in mind their relevance and cost effectiveness and obtain additional relevant information from family members to help in diagnosis and management.
4. Identify psychiatric situations calling for urgent or early intervention and refer at the optimum time to appropriate centres.
5. Write a complete case record with all necessary details.
6. Write a proper discharge summary with all relevant information.
7. Obtain informed consent for any examination/procedure.
8. Perform clinical audit.
9. Must be able to perform modified Electroconvulsive therapy (ECT).