

M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054



**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES

PO, PSO & CO

Programme: DM Endocrinology

Programme Code: 151

Programme Outcome (PO)

Programme Specific Outcome (PSO)

Course Outcomes (CO)



Shalini

Principal and Dean

M.S. Ramaiah Medical College and Hospital

M.S. Ramaiah University of Applied Sciences

Bangalore - 560054

Ramaiah Medical College (RMC)

Programme Outcomes

Post Graduate Programme: DM Endocrinology

Programme objectives (PO) for DM Endocrinology Postgraduate students

At the end of the program the postgraduate students should

- PO 1. Develop the knowledge, skills and attitude to be a competent Endocrinologist
- PO2. Demonstrate a commitment to excellence and continuous professional development with integrity. To be compassionate and sensitive to patient care.
- PO3. To be able to Acquire and develop the knowledge, skills and attitude required to be a competent Endocrinologist and ethical researcher and teacher.
- PO4. To be able to function as an independent clinician/consultant with a reasonable degree of professionalism and competence.

Programme Specific Outcomes (PSOs)

At the end of the course the candidate who is eligible for a DM degree in Endocrinology should acquire:

- PSO1. knowledge in the basic, comparative and translational and clinical endocrinology, diabetes and metabolism
- PSO2. clinical diagnostic critical thinking, problem solving, self-directed learning and procedural skills,
- PSO3. Skills as related to formulating research questions, initiating, conducting and analysing translational, clinical and epidemiologic research,
- PSO4. Team leadership and networking skills,
- PSO5. Communication skills necessary for working with and educating patients and team members,
- PSO6. Attitudes and values that will allow him or her to provide compassionate, responsive and respectful ethical care to the patient.

Course Outcomes (COs)

Course Title & Code: Basic Sciences relevant to endocrinology and metabolism (DMC505A)

Subjects At the end of the course, the students should be able to:

- CO-1. Student should be well versed with common endocrinological conditions.
- CO-2. Should have basic knowledge of endocrine functions
- CO-3. Should be able to have a thorough understanding of metabolism
- CO-4. To understand the Principles and performance of biostatistics and Basic applied immunology
- CO-5. Be able to plan and conduct a research proposal in the specialty in accordance with guidelines of Ethics Committee and critically evaluate published literature in medical journal.

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- CO-6.** Acquire relevant knowledge of biostatistics so as to be able to critically read and judge new literature. x. Recognize the value of ethical principles of patient care and research.

Course Outcomes (COs)

Course Title & Code: Clinical endocrinology and metabolism disorders. (DMC506A)

Subjects At the end of the course, the students should be able to:

- CO-1.** Plan appropriate investigations applicable for diagnosis and management of patients in a cost-effective manner and interpret correctly the results of various routine and specialized investigations necessary for proper management of the patients with endocrine diseases.
- CO-2.** Acquire adequate knowledge of application of various endocrine laboratory techniques, especially, immunoassays and other methods of hormonal assay and interpretation of laboratory values and a basic knowledge of molecular genetics.
- CO-3.** Acquire knowledge of the functioning of various equipments in routine use in the Endocrinology lab.
- CO-4.** Should be able to perform basic tests of metabolism

Course Outcomes (COs)

Course Title & Code: Therapeutic endocrinology, Metabolism and Laboratory technology (DMC507A)

Subjects At the end of the course, the students should be able to:

- CO-1.** Endocrinology of normal growth and aberrant growth disorders. Para endocrine syndromes, Hormonal manifestations of malignancy, Carcinoid tumors and carcinoid syndromes.
- CO-2.** Knowledge about the disorders affecting the metabolism of carbohydrate and lipids.
- CO-3.** Knowledge about poly endocrine disorders, disorders involving adrenal and reproductive system.
- CO-4.** Endocrine changes of pregnancy **CO5:** Endocrinology of HIV and AIDS, Immuno endocrinopathy Syndrome

Course Outcomes (COs)

Course Title & Code: Recent Advances in Endocrinology & Metabolism (DMC508A)

Subjects At the end of the course, the students should be able to:

- CO-1.** Updated knowledge of technologies used in Endocrinology
- CO-2.** Updated knowledge on the drugs used in the practice of Endocrinology
- CO-3.** Knowledge about the recent published research papers in the subject.

***** Registrar**
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