



VALUE ADDED COURSE IN ENDOCRINOLOGY

– ART & SCIENCE OF INSULIN THERAPY



Jawaharlal Nehru Medical College
A Constituent Unit of
KLE Academy of Higher Education & Research
(Deemed-to-be-University)

Accredited 'A+' Grade by NAAC (3rd cycle)

Placed in Category 'A' by MoE (GoI)

Department of Endocrinology

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PREFACE

Insulin remains the cornerstone of therapy in treatment of type 2 diabetes mellitus, insulin therapy becomes inevitable in a substantial number of patients as disease progresses. According to recent estimates 4 out of 10 patients with OADS at any given point of time. Since its discovery nearly a century ago, insulin has revolutionized the treatment landscape, offering individuals with diabetes a lifeline to manage their condition effectively. This therapy plays a pivotal role in controlling blood sugar levels, preventing acute complications such as Diabetic ketoacidosis as well as mitigating the risk of long term complications including cardiovascular disease, neuropathy and nephropathy. Understanding the significance of insulin therapy encompasses appreciating its ability to restore physiological insulin levels, improve quality of life and enhance overall health outcomes for millions worldwide.

Mastering the art and science of insulin therapy is essential in addressing the growing diabetes epidemic, improving patient outcomes and reducing socioeconomic burden associated with this chronic condition. It represents a critical component of comprehensive diabetes care and underscores the importance of ongoing education and training for healthcare professionals. Development of newer insulin represents a significant stride in diabetes care, offering enhanced precision, convenience and safety in insulin therapy. These advancements provide healthcare providers and individuals with diabetes with valuable tools to achieve optimal glycemic control and improve quality of life.

Our Value added Course on art and science of insulin therapy, we explore the multifaceted aspects of insulin therapy, combining evidence based practices with personalized approaches to enhance patient outcomes. As future healthcare leaders, understanding the delicate balance between science and art in insulin therapy is paramount in delivering exceptional patient care. With a focus on evidence based medicine and practical application this course aims to equip with knowledge and skills necessary to navigate landscape of diabetes treatment. From understanding insulin pharmacology to mastering patient education techniques, each module is meticulously crafted to empower you as compassionate and competent practitioners. Embrace this opportunity for a transformative learning experience to shape your understanding of insulin therapy and to provide holistic care to individuals living with diabetes.

Course Content - Insulin Therapy Modules	Time	Session Trained By
1. Introduction	2 Hours	Dr Vikrant Ghatnatti
2. Physiology Of Insulin Secretion	2 Hours	Dr Vikrant Ghatnatti
3. Evolution Of Insulin	2 Hours	Dr Vanishri Ganakumar
4. Types Of Insulin	2 Hours	Dr Vanishri Ganakumar
5. Insulin Techniques	2 Hours	Dr Manjunath Goroshi
6. Dos And Dents In Insulin Therapy	2 Hours	Dr Manjunath Goroshi
7. Recent Advances In Insulin Therapy	2 Hours	Dr Sandeep Donagaon
8. Case Based Discussion of Insulin Related Complications	2 Hours	Dr Sandeep Donagaon

WHO CAN APPLY:

- a. NURSING STAFF
- b. NURSING STUDENTS
- c. INTENSIVIST INTERNS
- d. POST GRADUATES



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