

# Krishna Vishwa Vidyapeeth

(Deemed to be University), Karad

## Curriculum for Fellowship in Diabetes & Hypertension

Duration 1 year

### GOALS

- To provide the highest quality training in Diabetes Mellitus & Hypertension.

### OBJECTIVES

The objectives of the clinical training are:

1. To develop leaders and innovators in the field of Diabetes Mellitus & Hypertension diagnosis and management.
2. To prepare medical graduate possessing requisite knowledge, skill and competency so that they will be able to manage Diabetes Mellitus & Hypertension better.

### ELIGIBILITY:

Medical Graduates (MBBS) recognised by National Medical Commission.

### Context

Fellows receive training and supervised experience in the evaluation and management of a wide diversity of patients with diabetes mellitus and hypertension. They will become proficient in all aspects of diabetes mellitus and hypertension including diagnostic criteria, classification, its acute and chronic complications and updated management guidelines. Fellows will develop and demonstrate competence in basic and clinical knowledge, procedural skills, clinical judgment, professionalism and interpersonal skills required as a specialist in diabetes mellitus and hypertension. At the attainment of the training program, fellows will have acquired the competency to manage diabetes mellitus and hypertension. Our program strives to uphold our institutes (KVV) tradition of clinical excellence, teaching and research. We have a history of preparing leaders in the field of cardio-metabolic diseases, providing them with the tools to become skilled clinicians as well as providing outstanding experience in the field of diabetes mellitus, hypertension, related metabolic disorders and ASCVD.

### METHODS OF TRAINING:

Self-directive learning (SDL), Problem based learning, Bed side clinic, integrated teaching (General medicine, Cardiology, Ophthalmology, Neurology, Nephrology, Biochemistry, Pathology, etc) Skill and Simulation Lab training, seminar, CME, Workshop, Symposium, Journal club etc.

Teaching of core curriculum is emphasized on acquisition of subject specific knowledge, clinical skill, procedural skill, communication skill and medical professionalism & Ethics.

**SYLLABUS:**

1. Approach to patient with diabetes mellitus or hypertension, Fundoscopy, Echocardiography evaluation etc.
2. Diabetes mellitus: Epidemiology, Pathophysiology, Diagnosis and Investigations, Role of HbA1c, Management, Pharmacology, Management of acute and chronic complications of DM, Diabetes mellitus in special situation, Updates Standard of care by American Diabetes Association etc.
3. Hypertension: Epidemiology, Pathophysiology, Diagnosis and Investigations, Management, Pharmacology, Management of Essential Hypertension, Hypertension with Comorbid Conditions, Managing Hypertension in Special Populations, Hypertension in Pregnancy, Hypertension in Older People, Hypertensive Crisis, Resistant Hypertension, Secondary Hypertension, Novel approaches etc
4. Metabolic syndrome, nonalcoholic fatty liver disease, Coronary artery disease, Atherosclerotic cardiovascular disease (ASCVD).
5. ICU Management of hypertension and diabetes mellitus in critically ill patients.

**Skill enhancement courses (SEC)/ Ability enhancement courses/ Research project (Publication):**

1.	Advanced Cardiovascular Life Support (ACLS)	Domain : Psychomotor (Performance) SH/P, TL: Hands-on training, Simulation Lab, SDL Assessment: OSCE
2.	Basics of 2-D-ECHO and TMT	Domain : Psychomotor (Performance) SH/P, TL: Hands-on training, Simulation Lab, SDL Assessment: OSCE

**Assessment:**

- Theory examination (200 marks): Two papers of 100 marks each
- Practical Examination (200 marks): Long case structured assessment, Short case structured assessment, OSCE/ OSPE examination,
- Oral structured viva voce examination
- Logbook



**Duration of the Program : 1 year**

**Tuition Fee of the Program : USD 2000**

