**April Endocrine Month 2022**

**April 12, 2022**

9:30-10:15 Diabetes complications--- Dr. Rong Guo

10:15-11:00  Diabetes mellitus type 2 medications---- Dr. Nalini Tirumalasetty (

Break

11:30-12:15 Calcium metabolism---- Dr. Leena Shahla

**Objectives:**

**Overview Diabetes:**

 1. Classification of diabetes and diagnosis.

 2. Understand new technologies for management of DM including

 continuous glucose monitoring (CGM) and insulin pump

 3. Diagnosis and management of DKA

**Management of Type 2 Diabetes:**

1. Describe the updated algorithm in the management of type 2 DM

2. Understand the mechanism of action and benefits of metformin, GLP-1

 Agonist, SGLT-2, sulfonylureas, TZDs

3. Describe the microvascular and macrovascular complications of DM.

**Calcium Metabolism :**

1. Where are the primary effects of vitamin D and PTH, respectively?
2. Describe and draw the feedback loop between the GI tract, parathyroids, bones, serum blood level, and kidneys.
3. Describe the signs and sx of hypercalcemia.
4. Describe the indications for parathyroidectomy in primary hyperparathyroidism.
5. Describe the ddx for hypocalcemia, and how the PTH, phosphorous, and vitamin D levels would be different.