**January 16, 2024**

**AHD Objectives**

**Hypertension – Dr. Dahl**

1. Define normal blood pressure, pre-hypertension, stage 1 and stage 2 hypertension. Describe the end-organ injuries that occur due to long-standing hypertension.
2. Describe the patient(s) who should be evaluated for secondary causes of hypertension and the preferred diagnostic strategy for each identifiable cause.
3. Identify the medications which are first-line anti-hypertensives for non-black patients and black patients *without* DM and CKD and *with* DM and CKD.
4. Identify the BP targets for patients aged ≥ 60 years old, < 60 years old, patients with chronic kidney disease and patients with diabetes.
5. Define hypertensive urgency and emergency and the indications for admission to the hospital and ICU treatments.

**CKD – Dr. Dahl**

1. Define chronic kidney disease. Define the 5 stages of CKD according to the National Kidney Foundation, and define the KDIGO staging system for CKD based on albuminuria and GFR.

2. When should a patient with CKD be referred to a nephrologist? Explain the reasons for this.

3. Describe some of the diseases of other organ systems associated with CKD. What is the most common cause of death in patients with CKD?

4. Know the medications that CKD patients should avoid to prevent worsening of renal function.

5. Know the indication for ACEI and ARB medications for the treatment of proteinuria and blood pressure goals for patients with CKD.

6. Understand the risks of hyperphosphatemia, its management, and goal levels in patients with CKD.

7. Describe the KDIGO guidelines for goal transferrin saturation, ferritin level, and hemoglobin in patients with CKD.

8. What is the goal serum bicarbonate level in CKD patients?