**March 28, 2017 AHD Objectives**

**Multiple Myeloma (MM):**

* **This article is long and dense. The most important information for you to glean is from the following objectives.**

1. Describe the epidemiology of multiple myeloma (MM) including median age at onset, ethnic predisposition, and gender predominance (if any.) Describe the natural history of multiple myeloma and its pre-malignant precursor, monoclonal gammopathy of undetermined significance (MGUS) and smoldering myeloma.
2. Describe the signs and symptoms that should prompt an internist to search for a diagnosis of multiple myeloma.
3. Describe the laboratory evaluation that should be performed in a patient that you are suspicious of MM and the sensitivity of these tests for ruling out MM.
4. Describe the updated 2014 diagnostic criteria for the diagnosis of MM.
5. Understand the prognosis of patients with MM based on the risk stratification of tumor burden and disease biology.
6. Know the treatment options for patients who are candidates for autologous bone marrow transplant and their side effects. (Specifically know lenolidomide, bortezomib, and thalidomide side effects.)