Deep vein thrombosis (DVE) is a frequent adverse event in patients with myeloma treated with oral immunomodulatory drugs (IMID) such as thalidomide or Lenalidomide concomitantly with dexamethasone. We analyzed incidence of DVE in relapsed/refractory multiple myeloma (RRMM) treated with Lenalidomide/low dose dexamethasone (Ld) regimen given prophylactic aspirin in our Institute from August 2010 to December 2012 retrospectively. A total of 25 patients were included in this study. Median age was 64 years old. Two of 25 patients (8%) developed DVE during Rd treatment; both of events occurred during cycle two of Ld. Symptoms of DVT were unilateral edema and muscle spasm of lower limb. Ultrasound Doppler technique can detect thromboembolism easily. DVT was manageable with warfarinization, thus, Ld therapy was continued until disease progression. DVT is not rare under the use of prophylactic aspirin. Early detection and warfarinization is important to manage DVT and continue treatment.