

Most Commons in Hematology and Oncology

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- ◆ Most common inherited thrombophilia: Factor V leiden → Prothrombin gene mutation
- ◆ Most common inherited bleeding disorder: Von williebrand's disease
- ◆ Most common NHL in western world: Diffuse large B cell lymphoma (DLBCL)
- ◆ Most common malignancy in pediatric population: Acute Lymphoblastic Lymphoma (ALL)
- ◆ Leading cancers in male population in USA: Prostate cancer → Lung cancer → Colon cancer
- ◆ Leading cancers in female population in USA: Breast cancer → Lung cancer → Colon cancer
- ◆ Cancer related mortality in USA, listed in order of decreasing frequency:
 - Males: Lung cancer → Prostate cancer → Colon cancer
 - Females: Lung cancer → Breast cancer → Colon cancer

Useful Links and Reference:

1. <http://www.cancer.org/>
2. <http://www.cancer.gov/>
3. <http://seer.cancer.gov/>
4. <http://ghr.nlm.nih.gov/condition/factor-v-leiden-thrombophilia>
5. <https://www.nhlbi.nih.gov/health/health-topics/topics/vwd/>
6. Bosler D, Mattson J, Crisan D. Phenotypic Heterogeneity in Patients with Homozygous Prothrombin 20210AA Genotype. A paper from the 2005 William Beaumont Hospital Symposium on Molecular Pathology. J Mol Diagn. 2006 Sep;8(4):420-5. Review. PubMed PMID: 16931580

Diagnostic Dilemma

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1. 40 year old African American male with history of hypertension, type 2 diabetes and ESRD is seen in the ER for symptoms of chest pain and generalized weakness. Patient is on hemodialysis for ESRD. ECG is performed in the ER and is shown below. Vitals are as follows: HR 70 bpm, BP 200/100 mm Hg RR 20/min. The next step in the management is: