



FACULTY OF NURSING SCIENCES

By- SUDHA BENJAMINI
Associate Professor
Faculty of Nursing

DEEP VEIN THROMBOSIS

Thrombus formation in deep veins of legs or thighs



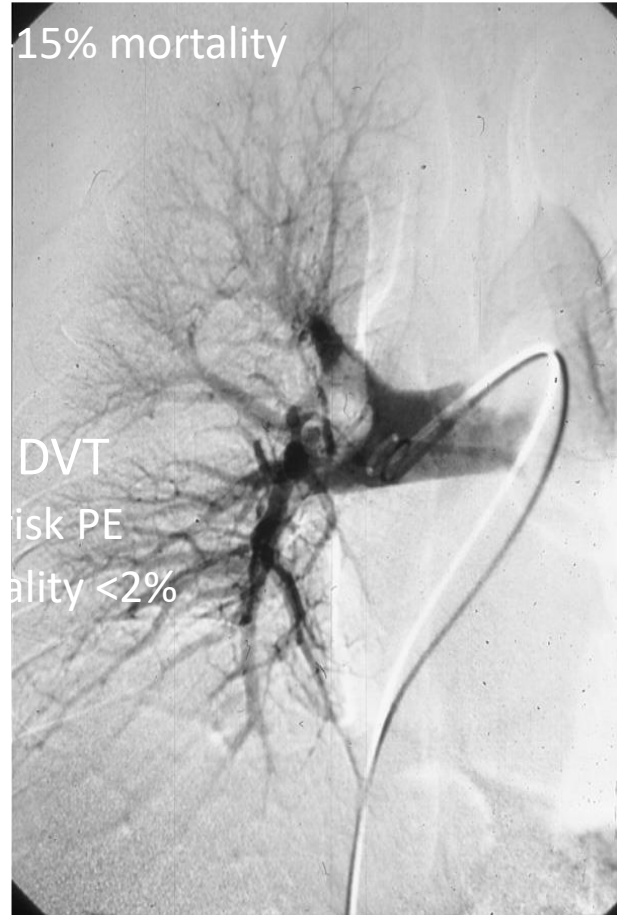
Approximately 600,000 new cases are diagnosed in the U.S. each year

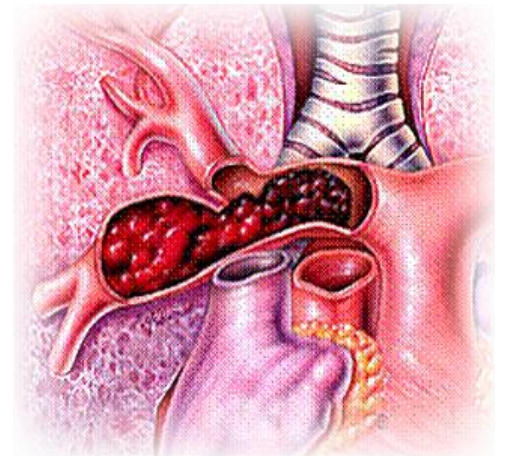


1/3
PE

15%
Death

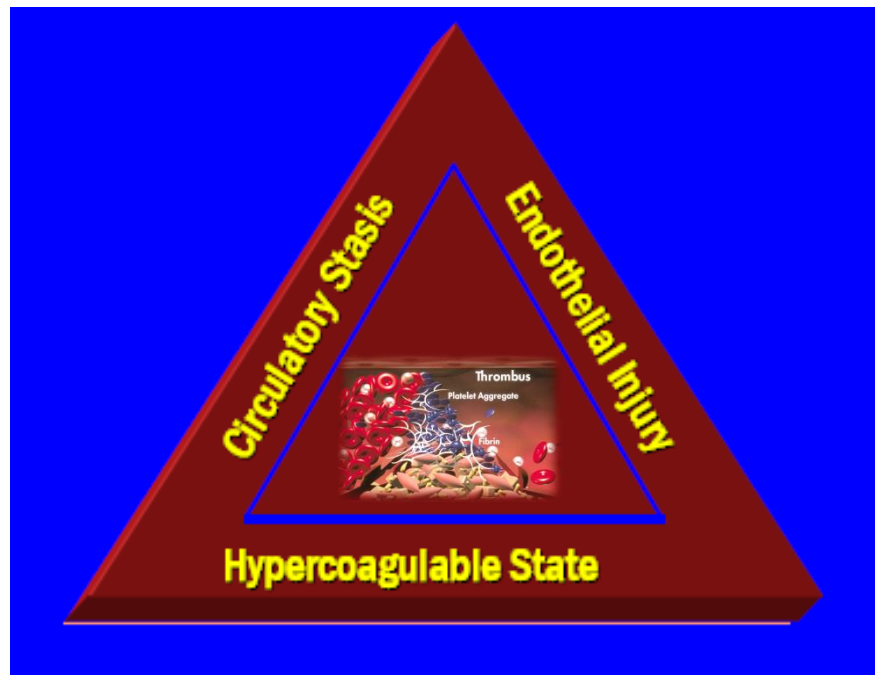
Approximately **one-third** develop pulmonary embolism





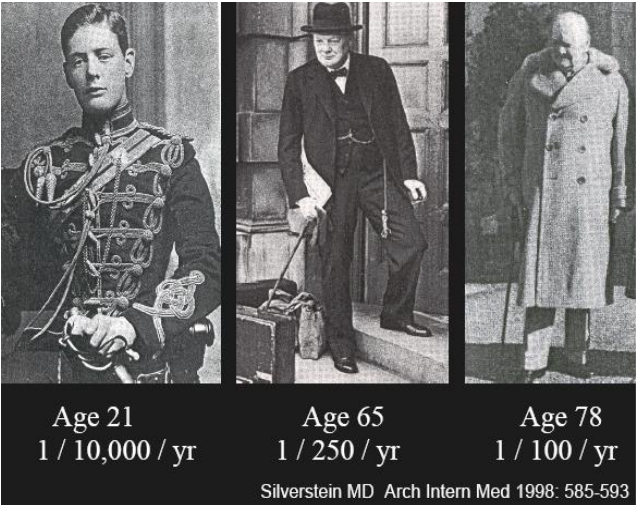
- Virchow's Triad

- Alterations in blood flow - Venous Stasis
- Alterations in blood constituents
- Vascular endothelium damage



- Principal Risk Factors

- Immobilization
- Trauma
- Surgery
- Infection
- Post-partum period

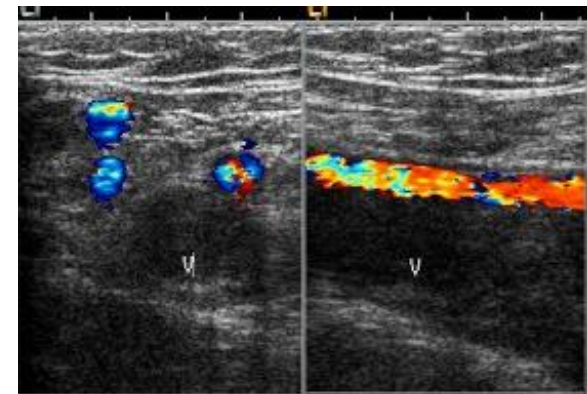


- Other Factors

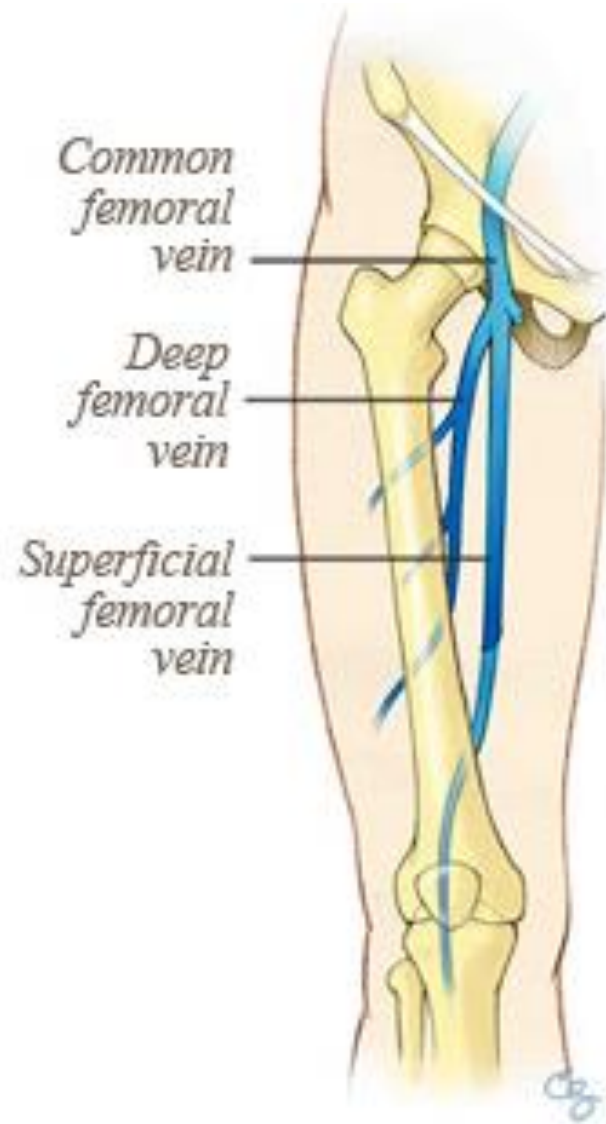
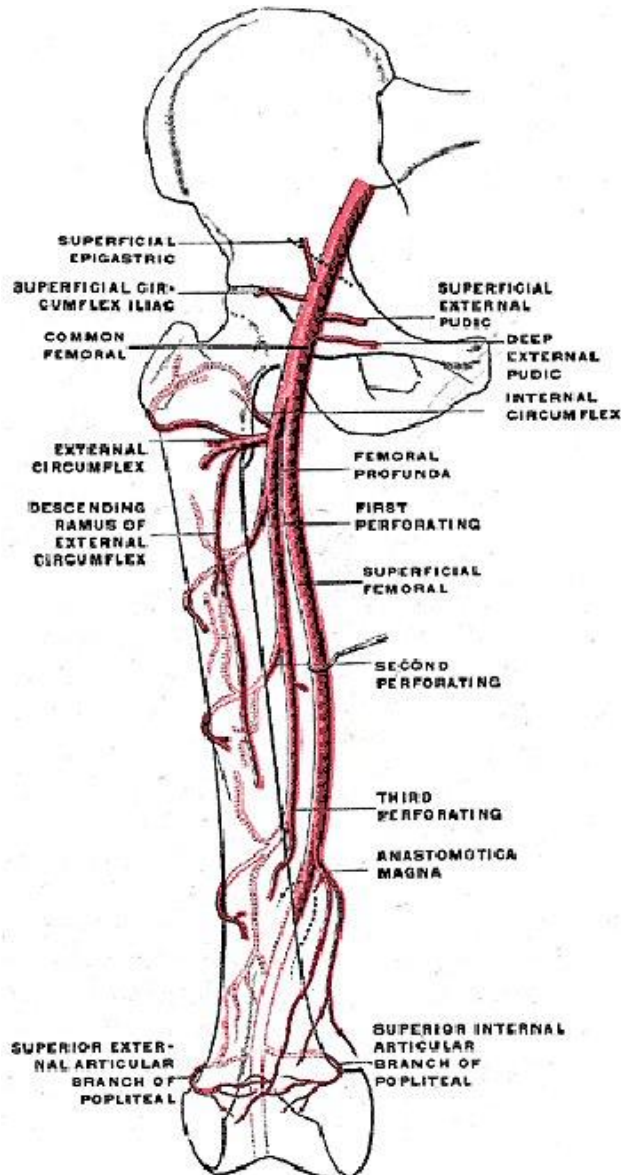
- Age
- Obesity
- Malignancy
- Previous VTE
- Varicose Veins
- Dehydration
- Hormonal Therapy



- Venography – ex-gold standard
- Duplex Ultrasound
 - Comfortable
 - Inexpensive
 - No risk
 - Good sensitivity and specificity for distal
 - Less sensitive for proximal DVT



Arteries and Veins



The Superficial Femoral Vein A Potentially Lethal Misnomer [Warner P. Bundens](#), MD; [John J. Bergan](#), MD; [Nicholas A. Halasz](#), MD; [Jay Murray](#), MD; [Margaret Drehobl](#), MD.
JAMA. 1995;274:1296-1298

- A total of **46 family practitioners** and general internists, **95 anatomists**, and **85 laboratory directors**.
- Only **24%** (11/46) of the respondents would have administered anticoagulants to the patient as described

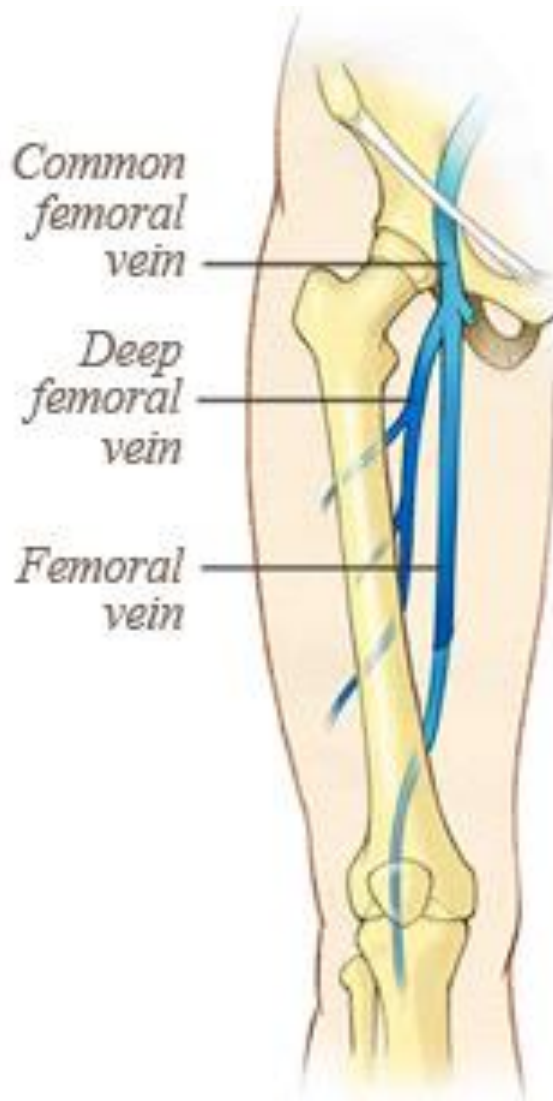
The Superficial Femoral Vein A Potentially Lethal Misnomer [Warner P. Bundens](#), MD; [John J. Bergan](#), MD; [Nicholas A. Halasz](#), MD; [Jay Murray](#), MD; [Margaret Drehobl](#), MD.
JAMA. 1995;274:1296-1298

- Only **3% (3/95)** of anatomists felt the term "superficial femoral vein" was correct, **22% (21/95)** felt it was an acceptable alternative, and only **7% (7/95)** of anatomists felt the term was preferred for everyday use
- The term "superficial femoral vein" is used by **93% (79/85)** of vascular laboratories in lower limb venous duplex reports.

Guidelines 1.1.0 of the American Venous Forum on development and anatomy of the venous system

No.	Guideline	Grade of recommendation (1, we recommend; 2, we suggest)
1.1.1	The main deep vein of the thigh between the popliteal and the common femoral vein is the femoral vein. The old term "superficial femoral vein" should be abandoned	1
1.1.2	The main superficial veins of the lower limbs are the great saphenous vein and the small saphenous vein	1
1.1.3	The old terms "Cockett" and "Giacomini" veins should be replaced by the new terms "posterior tibial perforating vein" and "intersaphenous vein", respectively. The use of eponyms is discouraged	1

Correct nomenclature



The term “superficial femoral vein “ should never be used, because the femoral vein is in fact a **deep vein** and is not part of the superficial venous system.

Confusion arising from use of the inappropriate name has been responsible for many cases of clinical mismanagement and death

Management of “superficial femoral vein” thrombosis should be the same as any DVT