

# Risk factors for Venous Thromboembolism

Risk factor	Estimated relative risk
<b>Inherited conditions</b>	
Antithrombin III deficiency	25
Protein C deficiency	10
Protein S deficiency	10
Factor V Leiden mutation:	
• Heterozygous	7
• Homozygous	90
Prothrombin G20210A gene mutation:	
• Heterozygous	3
<b>Acquired conditions</b>	
Major surgery or major trauma	5–200
History of venous thromboembolism	50
Antiphospholipid antibodies:	
• Elevated anticardiolipin antibody	2
• Lupus anticoagulant	10
Cancer	5
Major medical illness with hospitalisation	5
Age:	
• > 50 years	5
• > 70 years	10
Pregnancy	7
Estrogen therapy:	
• Oral contraceptives	5
• Hormone-replacement therapy	2
Selective estrogen-receptor modulators:	
• Tamoxifen	5
• Raloxifene	3
Obesity	1–3
<b>Hereditary, environmental, or idiopathic conditions</b>	
Hyperhomocysteinaemia	3

Adapted from S. Bates and J Ginsberg. Treatment of deep-vein thrombosis. *New England Journal of Medicine* 351 (2004): 268–277.