Cheatography

Venous Disorders Cheat Sheet by happyfeet2020 via cheatography.com/144934/cs/31157/

Venous Anatomy Venous Anatomy		atomy	History and Clinical Appearance		Venous Disorders (cont)		
Blood from skin and SubQ tissue in legs flows into the superficial veins, then deep veins then to heart Superf Great saphenous, icial lesser saphenous	Faces Anny - Poplan Anny - Anne Than An Paramet Anny - Constant Para An Paramet Anny -	Const dis site Particulari Sector Sector Sec	(cont) Testing for Venous Disease	Brodie-Trendele- nburg test, hand held doppler constant sound, photocell or air plethysmography,		Signs and Symptoms: Redness and warmth associated with vein, pain over	
Veins: Deep Inferior vena cava ->	History and History	Clinical Appearance Medications- side		ambulatory venous pressure testing, venography		vein, diffuse leg pain, edema, fever	
veins right common iliac -> internal iliac and external iliac -> femoral -> popliteal -> peroneal -> anterior and posterior tibial Leg muscles assist with return of blood (muscle pump action)		effects of swelling? Previous history of DVT, congenital valve weakness, ulcers, edema, prolonged standing, trauma,	-seconda insufficie -thrombo venous d -valve da incompet	stasis can occur from: ary to obstruction or ncy phlebitis may block Irainage mage contribute to rence		<i>Differentials</i> : Baker's cyst, soft tissue injury, cellulitis, MSK pain, lympha- ngitis, neuritis, ruptured head of	
Venous valves prevent retrograde flow of blood		vein stripping or other procedures		ay be compressed due r or fibrosis		gastroc <i>Treatment</i> .	
Venous Disease Classification	Chief Complaint	Sense of tiredness, fatigue, heaviness in feet, night leg cramps (relief by	Venous I Superf- icial	Disorders Occurs when there is inflammation and		prevent progre- ssion into deep venous system, NSAIDs (for	
Clinical classification C0 No visible or palpable signs of disease C1 Telangiectasias or reticular veins C2 Varicose veins C3 Edema	Signs of	walking or massage) Varicose veins,	Iking orThrombthrombus within thessage)oph-superficial vein			pain), anticoagu- lants(heparin), increase ambula-	
C4a Pigmentation or eczema C4b Lipodermatosclerosis or atrophic blanche C5 Healed venous ulcer C6 Active venous ulcer Symptomatic, including ache, pain, tighti skin irritation, heaviness, muscle cramp	iciency	Insuff- pitting edema, iciency stasis dermatitis,	Can occur following an infection, trauma, hypercoagulable stagtes, oral contra-			tion, gradient compression stockings(30-40- mmHg)	
and other complaints attributable to venous dysfunction A Asymptomatic	5,	(brown iron complexes of	n iron ceptive lexes of gulant	ceptives, procoa- gulant factors	Deep Vein Thrombosis	Development of thrombus in the	
Etiologic classification Ec Congenital Ep Primary Es Secondary (post-thrombotic) En No venous cause identified Anatomic classification		hemosiderin often deposited into the tissue due to increased hydros-	<i>Risk factors</i> : prior history of superficial phlebitis, DVT, PE, recent surgery or		deep veins Want to detect early to prevent fatal PE		
AsSuperficial veinsApPerforator veinsAdDeep veinsAnNo venous location identified		tatic pressure forcing blood components to		pregnancy, prolonged immobilization, malignancy		If thrombus partially or completely blocks	
Pathophysiologic Pr Reflux Po Obstruction Pr, o Reflux and obstruction Pn No venous patholophysiology identifiable	Chronic Insuff- iciency	escape, brown staining results) Atrophie blanche, lipodermatoscle- rosis, venous ulcers	wn ults) nche, scle-			the flow of blood through the vein, blood begins to pool and build up venous hypert-	

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Venous Disorders (cont)	Venous Disorders (cont)		Venous Disorders (cont)		Venous Disorders (cont)		
<i>Risk Factors</i> : Similar to superficial thrombophelbitis but also includes age >60, hypercoagulable states, obesity, history of		<i>Treatment</i> : if suspected refer to emerg! Bed rest x 1 week with legs		<i>Treatment</i> : Thromb- olytics, vein filter (prevents emboli from reaching lungs	hypertens regimens	nt reduce venous sion by walking , limb elevation, local are (manage moisture)	
DVT <i>Symptoms</i> : Common site is the calf (post tib and peroneal veins), silent in 50% cases, progressive pulling sensation at back of leg, pain increases with ambulation, slight fever, swelling occurs distal to site of thrombus, distension of superf-		elevated which stabilizes clot, elastic stocking to reduce swelling and protect superficial veins, 3-6 months limitation of prolonged standing, medica- tions (fibronolytic agents, anticoagu-	Chronic Venous Insuff- iciency	Venous hypertension caused by chronic venous reflux as a result of structural or functional abnorm- alities of veins <i>Leads to</i> : Edema, protein exudation and deposition to skin,	blood 2. In ability 3. V ation to ve Causes of Old age, e pregnancy	Virchow's Triad: 1. Stasis of blood 2. Increased blood coagul- ability 3. Vessel wall injury (alter- ation to vein wall) Causes of Thrombi Formation: Old age, estrogen use, pregnancy, obesity, malignancy Venous Disorder Management	
icial veins, increase in temp distal to clot, <i>Causes</i> : Virchow's triad				fibrosis and lipode- rmatosclerosis, stasis dermatitis, tissue	Conser- vative	<i>Elevation:</i> Avoid high heels as they reduce venous emptying as muscle pump not activate. Raise feet above heart 15-30 mins several times/day. Place 2-3" block under legs <i>Exercise:</i> Emphasize ankle plantarflexion , activate muscle venous pump. 30-	
<i>Prevention</i> : Heparin, NSAIDs, gradient compression hose, increased ambulation	Pulmonary Embolism	lants, antibiotics) Embolus is a blockage in the blood flow to the lungs by blood clot or fat, air or tumor. Very dangerous when thrombus is torn from attach- ment. May cause pulmonary	Venous Ulcer	hypoxia, leg ulcers Seen in lower third of leg (lateral or medial aspect), surrounding skin has signs of CVI, shallow ulcer, moist granulating base, sloping edges, cyanotic discolour- ation			
		infarction <i>Risk Factors:</i> same as DVT <i>Symptoms:</i> Sudden, chest pain, shortness of breath, coughing,			60mins of PA <i>Medications:</i> NSAIDs, vitamin C/E for symptom relief. Pentoxifylline may change course of disease		
		dizziness, fainting, anxiety/sweating. MEDICAL EMERGENCY			Compre- ssion Therapy:	<i>Benefits</i> : Reduce diameter of veins, increase flow velocity, decrease chance of thromb- osis, improve lymphatic flow	

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Venous D (cont)	isorder Management	Venous Diso (cont)
	<i>Types</i> : Elastic (stocking or bandag- ing), inelastic	<i>Vein Strippin</i> veins (only o saphenous v
	(garments or short stretch bandages), pneumatic compre- ssion	*Elevating le icated in CHI phageal reflu disease and
Classes:	<i>Class 1</i> : 20-30mmHg for aching, swelling. telangiectasia, varicose veins (to start/asymptomatic)	patients *Compression indicated in p of 0.5 and be
	<i>Class 2</i> : 30-40mmHg for symptomatic varicose veins, CVI, post ulcer	
	<i>Class 3</i> : 40-50mmHg for CVI, post ulcer	
	<i>Class 4</i> : 50-60mmHg for CVI, post ulcer, severe CVI not controlled by class 3	
Surgical	Sclerotherapy: remove obliteration of abnormal vessel that carry retrograde flow.	
	<i>Other</i> : Saphenofe- moral bypass, prosthetic graft, valvular reconstru- ction	

Venous Disorder Management (cont)
<i>Vein Stripping</i> : strip varicose veins (only option for saphenous vein)
*Elevating legs is contraind- icated in CHF, gastroeso- phageal reflux, pulmonary disease and sleep apnea patients *Compression therapy is contra- indicated in patients with an ABI of 0.5 and below

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