

NURS 821

Vascular and Cardiac Disorders

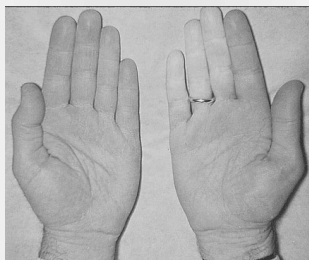
Vasospastic Disorders

Lecture 6, Part 4

Vasospastic Disorders

- Raynaud's Disease
 - Etiology
 - Precipitating Factors
 - Clinical Manifestations
 - White
 - Blue
 - Red

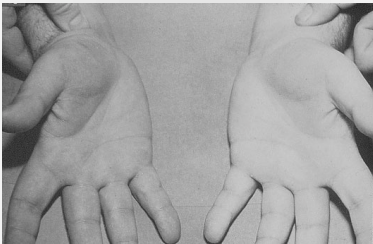
Vasospasm



Reactive Hyperemia



Unilateral Raynaud's Phenomenon



Hypertension

- Significance-50 million Americans; < 30% controlled
- Increases risk of CVA, MI, HD, CHF, RF
- Persistent > 140/90
 - (NHLBI, 2002)

Essential Hypertension Contributing Factors

- Same as for ASCVD
- Increased or exaggerated sodium response
- Altered renin-angiotensin-aldosterone system



Secondary Hypertension Etiology

- Renal disease-RAA-volume and resistance
- Vascular disease-increased systemic resistance
- Endocrine disease
 - Adrenocortical hyperfunction
 - pheochromocytoma
- Coarctation of the aorta-increased resistance
- Hormonal
 - Oral contraceptives
 - pregnancy

Clinical Manifestations of Hypertension

- Mostly asymptomatic
- **Questionable Manifestations**
 - Occipital headache upon arising
 - Nocturia
 - Epistaxis
 - vertigo
 - tinnitus

Hypertension Complications

- CHF
- CVA, TIA
- Renal failure
- Retinopathy

Retinopathy