



4TH DAILY CARDIOLOGY
SYMPOSIUM

CONCISE, PRECISE, PRACTICAL

Danger Up To The Neck! **The role of Carotid Ultrasound** **in Cardiovascular Risk Evaluation**

Learning Objectives and Case



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Learning Objectives

- What is the significance of carotid artery imaging in the context of cardiovascular prevention strategies?
- What is the process and importance of measuring carotid intima-media thickness?
- How is carotid artery stenosis detected? (diagnostic measures)
- How can the evaluation of the carotid artery be utilized in the risk stratification and reclassification of cardiovascular diseases?

Learning Objectives (cntd)

- What technical aspects should be considered when performing carotid artery imaging?
- What are the technical considerations for measuring CIMT?
- What are the criteria for screening individuals for asymptomatic carotid artery stenosis?
- What is the recommended management strategy for asymptomatic carotid artery stenosis?
 - Optimal medical treatment?
 - Indications for revascularization?
 - Strategies are used for revascularization?

Case vignette

- 56 Y/O gentleman, with unremarkable PMH came to you for cardiovascular screening
- He's a current smoker (22PY)
- He's asymptomatic in his routine activities
- Family history is unremarkable and he does not take any routine medications
- ECG: NSR
- Ph/E:
 - BP: right hand: 125/76 mmHg, left hand: 122/79 mmHg, HR: 75 bpm
 - BMI: 29, Heart and Lungs: NL, Peripheral pulses: 2+ and symmetric
 - otherwise unremarkable

Case vignette (cntd)

- Recent Lab:
 - Total Cholesterol 152mg/dL, LDL: 76 mg/dL, HDL: 44mg/dL, TG: 160mg/dL
 - FPG: 94mg/dL, HbA1c: 5%, CBC, TFT, and LFT: NL
 - Cr: 0.9 mg/dL, Na: 143 mEq/L, K: 3.4 mEq/L
- He undergoes Carotid US as a part of the screening process and he's found to have 80% stenosis in his left Carotid artery

Was it a good decision to perform Carotid artery US in this patient?

What is your approach to the Carotid artery stenosis found in this patient?

Thank you for your attention



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