



4TH DAILY CARDIOLOGY
SYMPOSIUM

CONCISE, PRECISE, PRACTICAL

Peeking Through the Heart! The role of Coronary artery Calcium Score in Cardiovascular risk Evaluation

Learning Objectives and Case



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Learning Objectives

- What is the definition of coronary artery calcification score?
- What methods are used to quantify Coronary Artery Calcification (CAC)?
- What is the significance of incidental CAC found on a chest CT scan and what is the recommended approach?
- What are the CAC percentiles and how to use the calculators?
- What imaging techniques are commonly used for measuring CAC?
- How is the CAC score utilized clinically?

Learning Objectives (cntd)

- How does the CAC score contribute to ASCVD risk scoring?
- How does the CAC score compare with other ASCVD risk enhancers?
- How is treatment adjusted based on reclassification using the CAC score?
- Who are the ideal candidates for CAC score measurement and who are not?
- What strategies are recommended for managing a high CAC score?
- How should we monitor the patients' CAC scores over time?

Case vignette

- 51 Y/O gentleman, with Hx. of well controlled HTN, current smoker
- He's asymptomatic in his routine activities
- There is no family history of premature CAD
- His only medication is Telmisartan 40mg Daily
- He has recently been found to have a CAC score of 86 AU and came to you for second opinion
- Ph/E:
 - BP: right hand: 131/84 mmHg, left hand: 129/87 mmHg, HR: 81 bpm, BMI: 27
 - Heart and Lungs: NL, Peripheral pulses: 2+ and symmetric
 - otherwise unremarkable

Case vignette (cntd)

- Recent Lab:
 - Total Cholesterol 160mg/dL, LDL: 90 mg/dL, HDL: 35mg/dL, TG: 175mg/dL
 - CBC and TFT: NL
 - Cr: 0.9 mg/dL, Na: 143 mEq/L, K: 3.4 mEq/L

What is your approach to the CAC score found in this patient?

Thank you for your attention



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