EKG Cases for Board Review

March 2, 2019
Case 1

- 53 year old caucasian female with 4 day hx of severe central chest pain on exertion, previously alleviated with rest; now worsened over last 24 hours and sustained at rest
- PMHx – DM2, HTN, hyperlipidemia
- Appears unwell, in pain, sweaty, and grey
Case 1

• Diagnosis? EKG findings?
Case 2

• 45 yo male presents with acute SOB s/p long vacation in Paris
• PMHx - asthma, Crohn’s disease, anxiety, GERD, tobacco abuse
• VS 37, 148/92, 130, 26
• Patient appears uncomfortable but otherwise unremarkable exam
Case 2

- Diagnosis? EKG findings?
Case 3

• 72 yo male presents to the office for evaluation prior to cataract surgery
• No complaints
• PMHx – B/L cataracts, OA, HTN, hyperlipidemia, and chronic low back pain
• VS 37.2, 152/86, 74, 14
Case 3

- Diagnosis? EKG findings?
Case 4

• 27 yo female presents to the ED with c/o chest discomfort and palpitations after studying all night for graduate school exams
• Appears nervous and “uneasy” with rapid pulse
• PMHx – unremarkable; no meds, admits to occasional alcohol, non-smoker, denies illicit drug use, used coffee to stay awake to study
Case 4

• Diagnosis? EKG findings?
Case 5

• 46 yo male presents to ED with c/o severe HA persisting over 5 hours despite acetaminophen and NSAID attempts as abortive therapy
• PMHx – occasional left shoulder pain, non-smoker
• Construction worker
• VSS; unremarkable exam
Case 5

- Diagnosis? EKG findings?
Case 6

• 56 yo female presents to family physician with c/o light-headedness and occasional flutter in her chest
• PMHx – anxiety, depression, obesity, smoker
• Works as retail store manager
• VSS; course breath sounds, otherwise unremarkable exam
Case 6

• Diagnosis? EKG findings?
Case 7

- 28 yo male presents for commercial driver’s license (CDL) evaluation
- No complaints
- VSS; asymptomatic; exam without significant findings
Case 7

- Diagnosis? EKG findings?
Case 8

• 32 yo male presents to ED with c/o feeling sick for the last 6 days
• Symptoms include fevers, cough, and difficulty catching his breath
• PMHx – hyperlipidemia, obesity, metabolic syndrome
• VS 38.1, 105, 128/84, 22
Case 8

- Diagnosis? EKG findings?
Case 9

• 67 yo male presents to his cardiologist for outpatient 6 week post-hospital visit
• Previous hospitalization for non-cardiac chest pain
• Post-hospital cardiac meds – ACE inhibitor, beta blocker, aspirin, nitrate
• No current complaints
Case 9

• Diagnosis? EKG findings?
Case 10

• 79 yo male brought to ED via EMS with chest pain, SOB, and near-syncope
• PMHx – unobtainable secondary to patient distress
• VS – 36.9, 140’s, 82/40, 28
Case 10

- Diagnosis? EKG findings?
Case 11

• 82 yo female admitted to acute care hospital secondary to chest pain
• PMHx – HTN, DM2, CHF, obesity, depression
• Cardiology planning cardiac catheterization secondary to new finding during initial consultation
Case 11

• Diagnosis? EKG findings?
Case 12

• 59 yo male presents to ED diaphoretic and in distress
• PMHx – HTN, ESRD, DM2, Left BKA
• VS – 37.5, 108, 96/58, 24
Case 12

- Diagnosis? EKG findings?
Bonus Case

- 18 yo male undergoing military physical exam and evaluation prior to boot camp
- No complaints
- PMHx – denies
- VSS; exam unremarkable
Bonus Case

• Diagnosis? EKG findings?