Case studies

Ms. E. is a 54 yo female who was admitted for chest pain and MI. She had chest pain for three days before going to the MD. Physical exam shows:
• RR 26 and labored
• HR 136, BP 72/48
• Skin cool and pale
• Troponin 4.1

What will the CVP/RA be?
• the wedge?
• the CO?
• SVR?

Putting It All Together

Mr. A, a long-time nursing home resident, comes to the hospital via ambulance. Physical exam shows:
• RR 28, crackles 1/3 up bilaterally
• HR 122, BP 70/46
• Skin warm, sweaty
• UO 150 with cath; foul smelling, cloudy

What will the CVP/RA be?
• the wedge?
• the CO?
• SVR?

Putting It All Together

Mr. B. is a 57 yo male returning from the PACU after spinal surgery for chronic thoracic back pain. Physical exam shows:
• RR 10
• HR 45, BP 80/44
• Skin warm and dry from nipple line down; cool and clammy from the nipple line up

What will the CVP/RA be?
• the wedge?
• the CO?
• SVR?

Putting It All Together

Ms. C. is a 16 yo female who has had uncontrolled diarrhea and vomiting for three days. Physical exam shows:
• RR 22
• HR 136, BP 84/36
• Skin cool and pale
• UO 35 through cath; clear

What will the CVP/RA be?
• the wedge?
• the CO?
• SVR?

Putting It All Together

A 46yo female comes to the ER complaining of SOB. Physical exam shows:
• RR 24, labored
• Inspiratory and expiratory wheezes progressing to audible stridor
• HR 130, BP 180/94 initially then drops to 80/44, HR 145
• Skin warm and red

What will the CVP/RA be?
• the wedge?
• the CO?
• SVR?
Putting It All Together

Mr. D. is a 77 yo patient with a COPD exacerbation and ventilator dependence. Physical exam shows:

- RR 20 on AC 12
- HR 106; BP 120/78
- Skin warm and slightly diaphoretic
- Temp 102.6 F

What will the CVP/RA be?
- the wedge?
- the CO?
- SVR?

References

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