

C-30 Misadventures in the EP Lab

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Objective

After completion of this session, the participant will be able to:

- Formulate a perioperative management plan for patients undergoing electrophysiologic ablative procedures.

Case Stem Question

A 65-year-old woman presents for a catheter-based ablation of frequent premature ventricular complexes causing presyncope. She has a history of congestive heart failure, obstructive sleep apnea and paroxysmal atrial fibrillation. Her medications include aspirin, carvedilol, amiodarone and apixaban.

Guiding Questions for Discussion

1. What are the perioperative considerations for patients presenting with ventricular arrhythmias?
2. What additional investigations are required prior to anesthesia?
3. What procedural factors should be considered when determining this patient's anesthetic plan?
4. In addition to standard monitoring, what monitors would be particularly useful in managing this patient?
5. What intra-procedural complications can be anticipated for this procedure?

References

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2. Deng Y, Naeini PS, Razavi M, Collard CD, Tolpin DA, Anton JM. Anesthetic Management in Radiofrequency Catheter Ablation of Ventricular Tachycardia. *Tex Heart Inst J*. 2016;43(6):496-502. Published 2016 Dec 1. doi:10.14503/THIJ-15-5688
3. Mittnacht AJ, Dukkipati S, Mahajan A. Ventricular tachycardia ablation: a comprehensive review for anesthesiologists. *Anesth Analg*. 2015 Apr;120(4):737-48. doi: 10.1213/ANE.0000000000000556. PMID: 25790207.
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