



Transesophageal Echocardiography.

Level of Evidence	Moderate
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Consensus Statement

Transesophageal echocardiography is encouraged in patients with moderate or high risk of perioperative morbidity or mortality..

Main Points

- Intraoperative TEE helps assess cardiac anatomy, ventricular function, valvular disease, and causes of hemodynamic instability in real time.
- It is particularly valuable in valve and proximal aortic surgery, and may also improve decision-making in moderate- to high-risk CABG patients.
- TEE use is encouraged in patients with moderate or high perioperative risk, while acknowledging that complications are uncommon but not negligible.

Key References

1. MacKay EJ, Zhang B, Augoustides JG, Groeneveld PW, Desai ND. Association of intraoperative transesophageal echocardiography and clinical outcomes after open cardiac valve or proximal aortic surgery. *JAMA Netw Open.* 2022;5:e2147820.
2. Ramalingam G, Choi SW, Agarwal S, et al. Association of Cardiothoracic Anaesthesia and Critical Care. Complications related to peri-operative transoesophageal echocardiography – a one-year prospective national audit by the Association of Cardiothoracic Anaesthesia and Critical Care. *Anaesthesia.* 2020;75:21-26.
3. Writing Committee Members, Lawton JS, Tamis-Holland JE, Bangalore S, et al. 2021 ACC/AHA/SCAI Guideline for Coronary Artery Revascularization: a report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines. *J Am Coll Cardiol.* 2022;79:e21-e129.

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