Aortic Regurgitation Red Flags Quick-Guide

This resource was created by ASE as a practical tool for evaluating aortic regurgitation (AR), identifying diagnostic red flags, and applying severity grading criteria.

MILD AR

Specific Criteria for Mild AR

- ☐ VC width < 0.3 cm
- ☐ Central Jet, width < 25% of LVOT
- ☐ Small or no flow convergence
- ☐ Soft or incomplete jet by CW
- ☐ PHT > 500 ms
- ☐ Normal LV size

Indeterminate or Mixed TTE Data showing some mild and some severe results.

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Referral to TEE/CMR or a referral to a Heart Valve Center

SEVERE AR

Specific Criteria for Severe AR

- ☐ Enlarged LV with normal function
- ☐ Flail Valve
- ☐ VC width > 0.6 cm
- ☐ Central Jet, width ≥ 65% of LVOT
- ☐ Large flow convergence
- ☐ PHT < 200 ms
- ☐ Prominent holodiastolic flow reversal in the descending aorta

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Zoghbi, W. A., Adams, D., Bonow, R. O., Enriquez-Sarano, M., Foster, E., Grayburn, P. A., ... & Weissman, N. J. (2017). Recommendations for noninvasive evaluation of native valvular regurgitation: a report from the American Society of Echocardiography developed in collaboration with the Society for Cardiovascular Magnetic Resonance. Journal of the American Society of Echocardiography, 30(4), 303-371.