

ATTACHED TO THE BAND: A RARE CASE OF MODERATOR BAND INFECTIVE ENDOCARDITIS

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INTRODUCTION

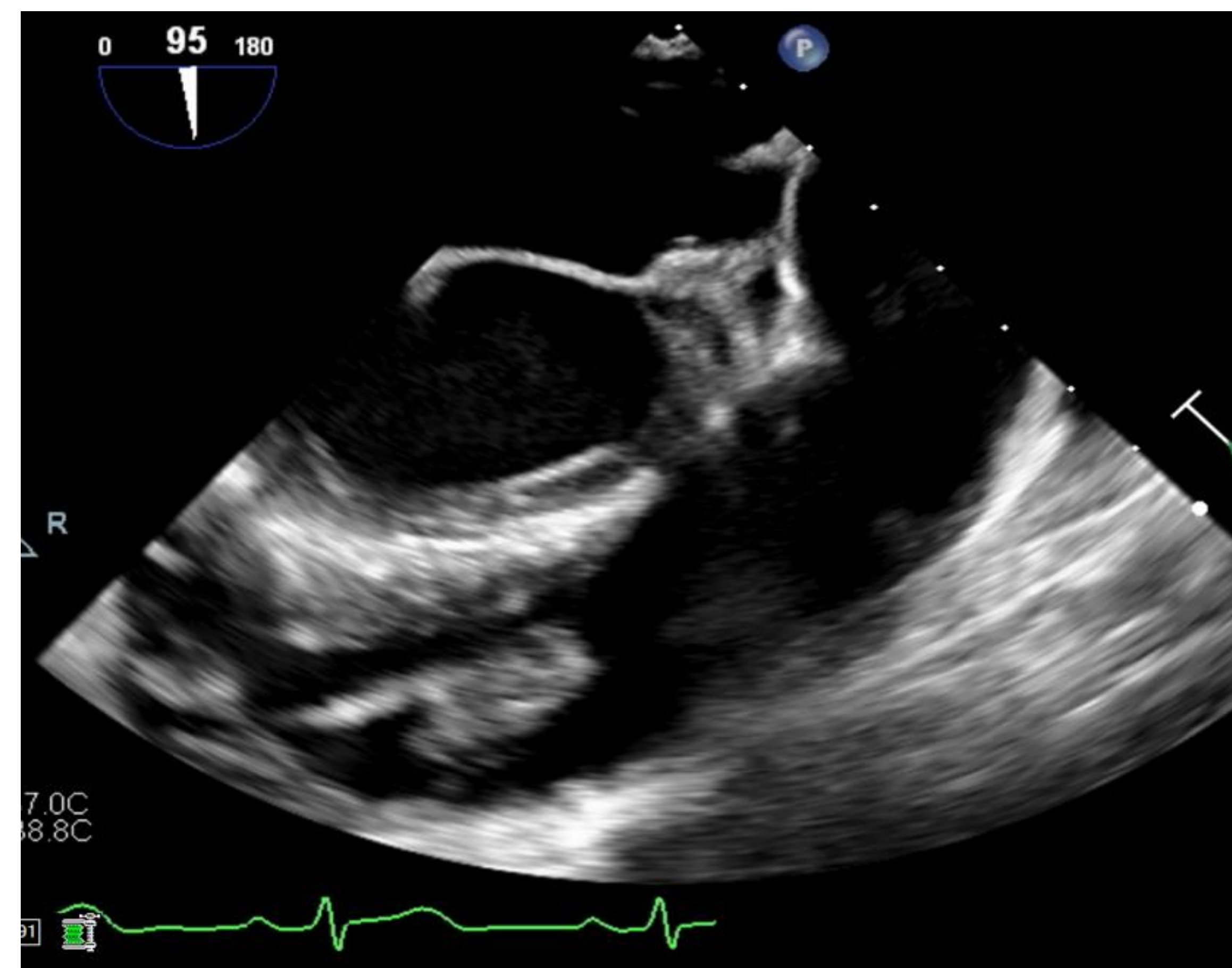
The incidence of injection drug use–associated infective endocarditis (IE) has been increasing over the last decade. IV drug use accounts for approximately 90% of right sided IE. We present a rare case of moderator band infective endocarditis.

CASE

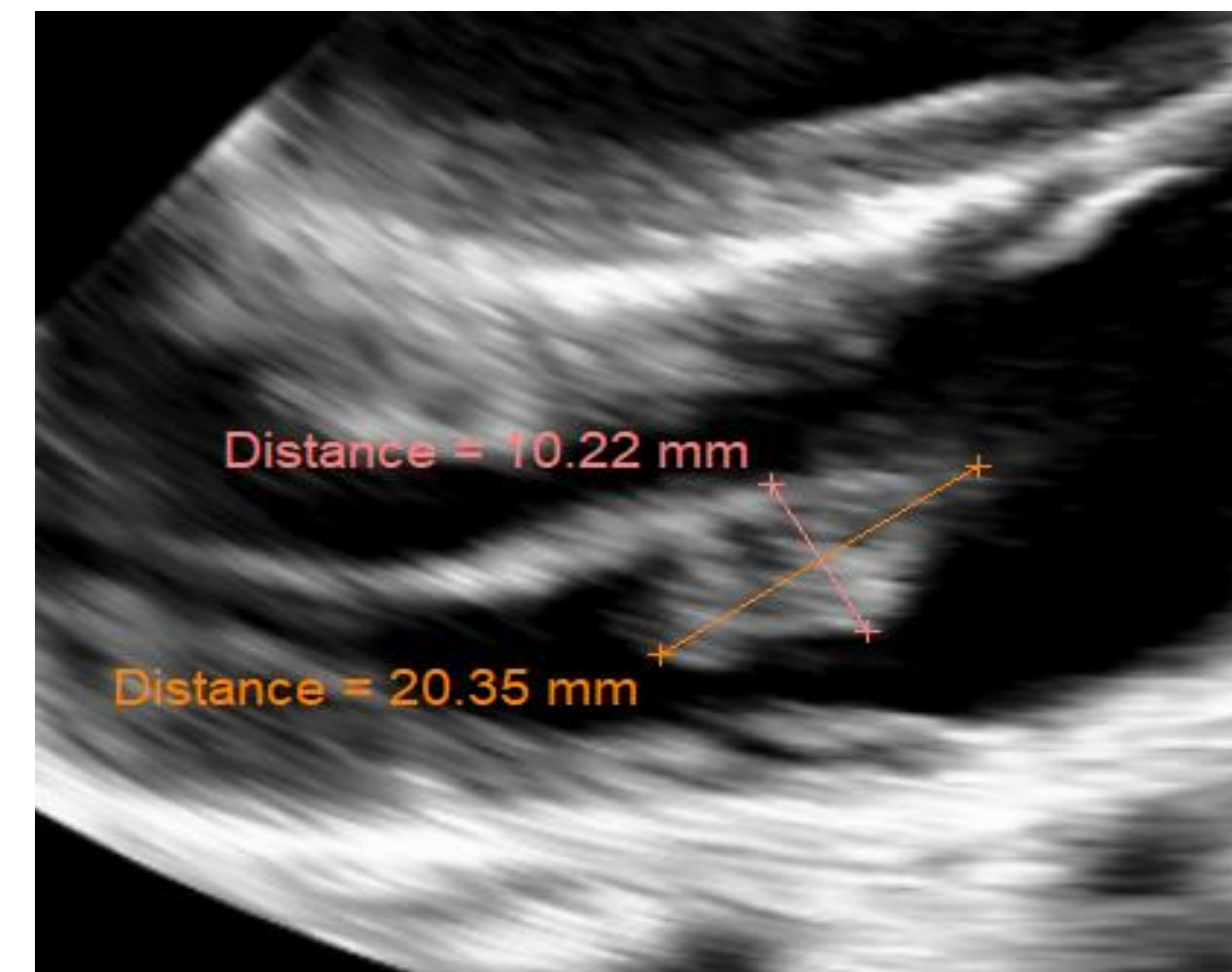
A 40-year-old female with past medical history of pulmonary embolism, IV drug use, tricuspid valve infective endocarditis presented with symptoms of fever, chills, fatigue and chest pain concerning for recurrent IE. Blood cultures were positive for MRSA. CTA chest showed a lobular mass measuring 1 cm x 1.9 cm, at the septal insertion of the moderator band within the right ventricle with minimally decreased attenuation compared to adjacent septum concerning for vegetation, along with septic pulmonary emboli. Transesophageal echocardiogram (TEE) showed a large, highly mobile, irregular vegetation measuring 2.0 cm x 1.0 cm in the right ventricle attached to the moderator band.

MANAGEMENT

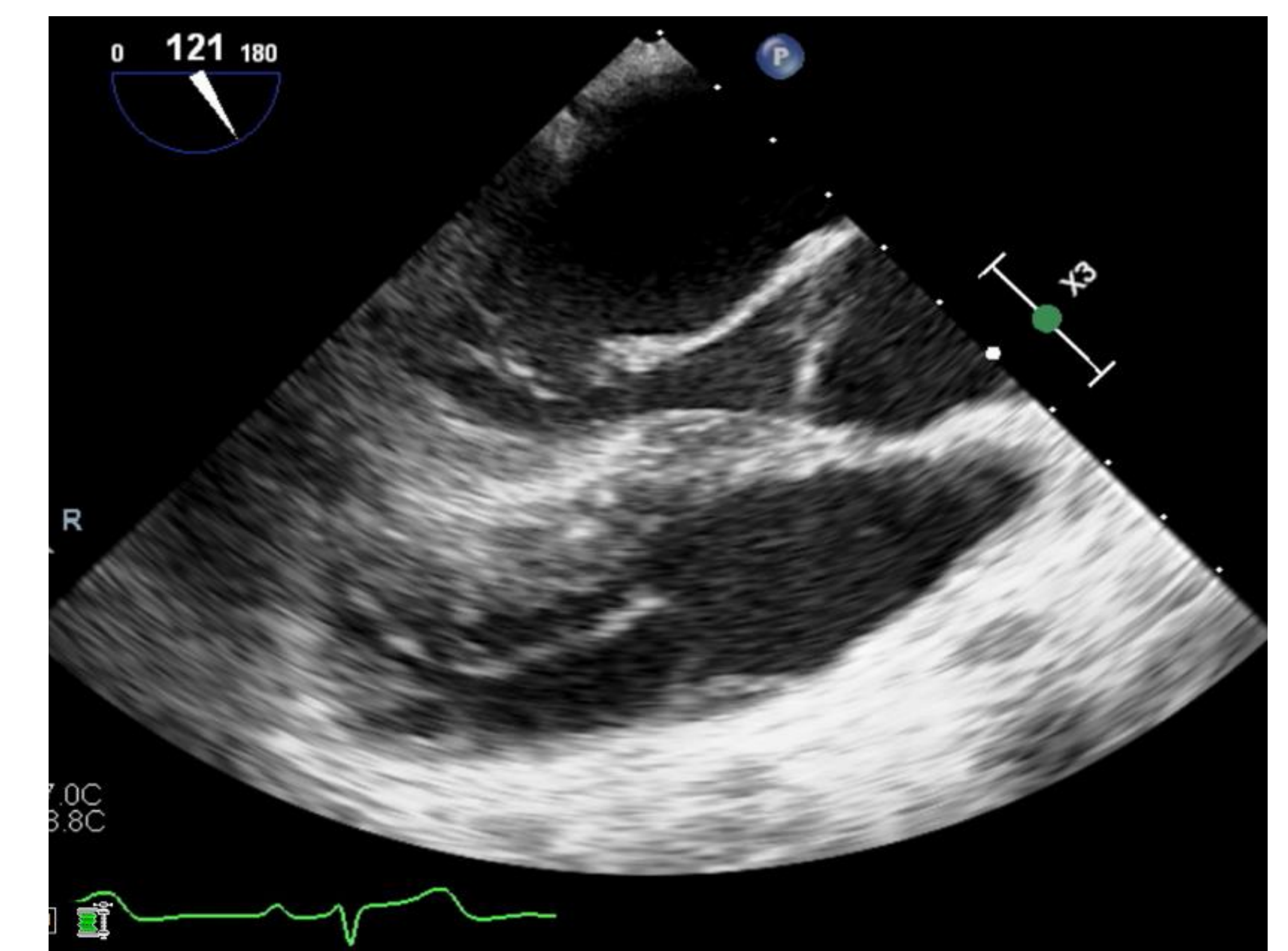
The patient was seen by a multidisciplinary team and medical management was pursued. She was treated with IV antibiotics for 6 weeks with resolution of symptoms and bacteremia. Follow up TEE showed resolution of moderator band vegetation.



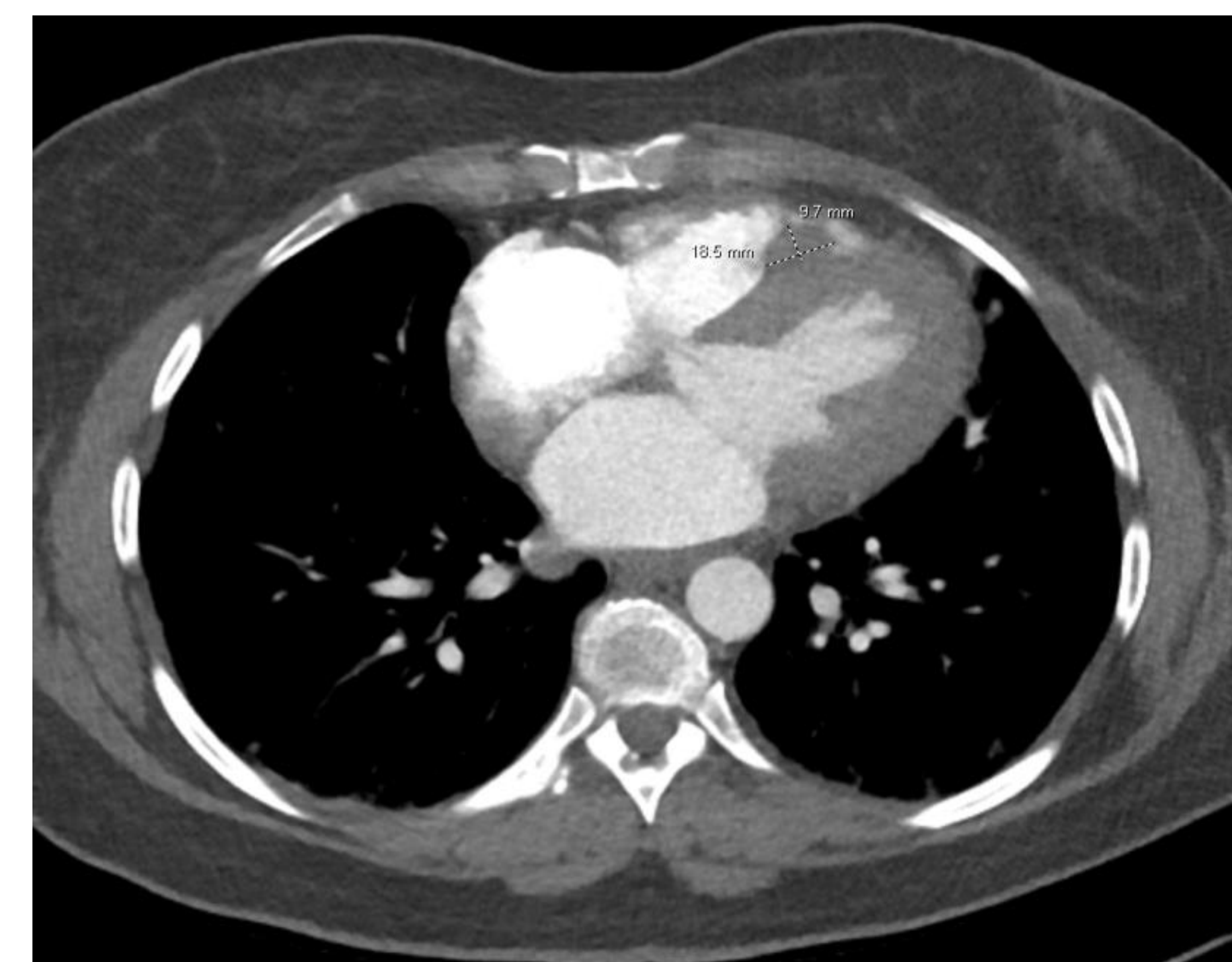
TEE: Vegetation attached to the moderator band



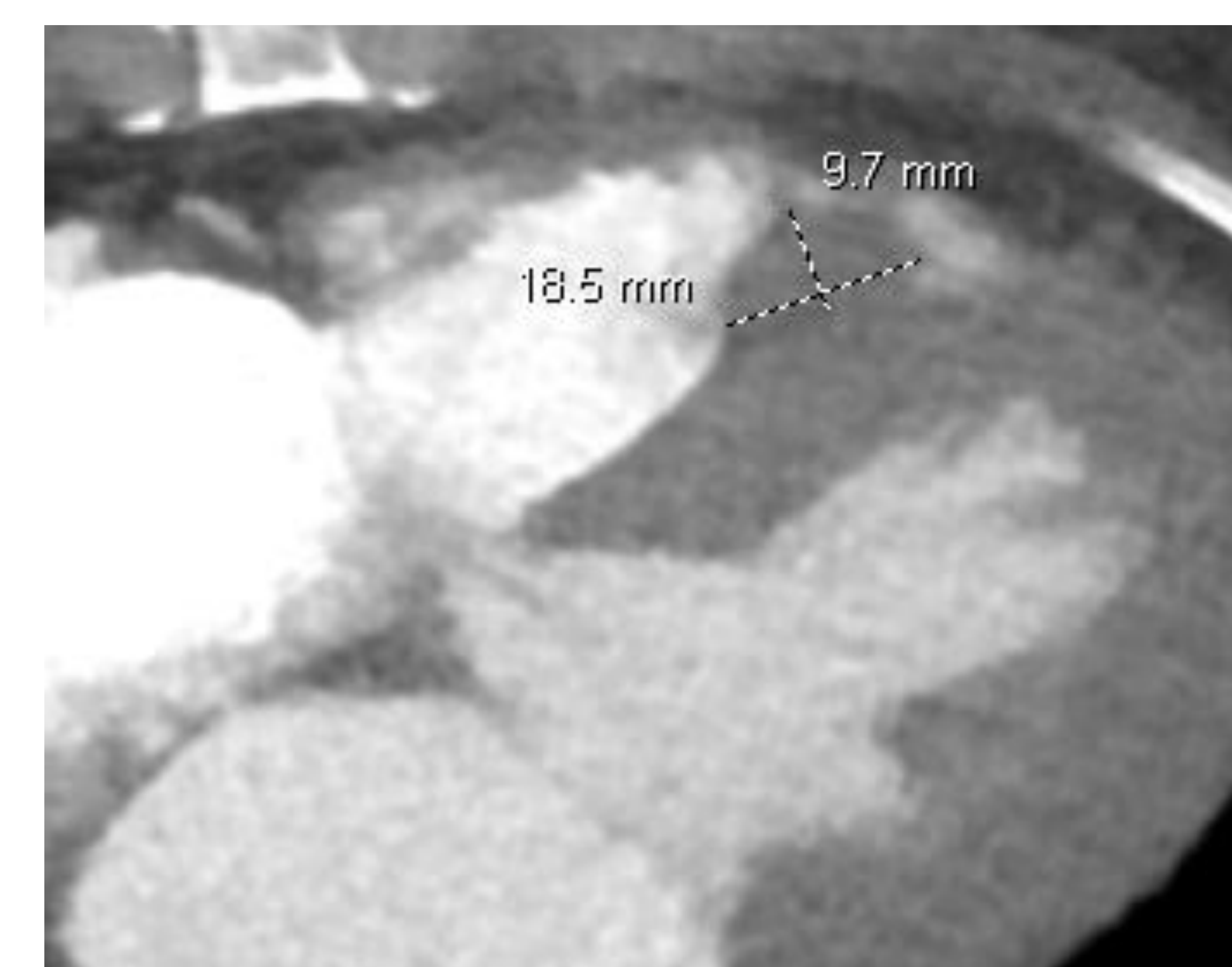
Zoomed in view of the vegetation



Follow up TEE with resolution of vegetation



CTA chest: Vegetation attached to the moderator band



Zoomed in view of the vegetation

CONCLUSION

Right-sided native valve isolated IE accounts for approximately 10 percent of all IE cases, with 90% of the cases involving the tricuspid valve; the remainder are usually attributable to pulmonic valve involvement. Although rare, our case highlights the potential for IE to involve atypical sites within the heart.

DISCLOSURES

Authors have no disclosures.

REFERENCES

Yucel, E, Bearnot, B, Paras, M. et al. *Diagnosis and Management of Infective Endocarditis in People Who Inject Drugs: JACC State-of-the-Art Review*. JACC. 2022 May, 79 (20) 2037–2057.
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