



Royal North Shore Hospital

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Transthoracic Echocardiography (TTE) Study

| | | | |
|-----------------------------|-----------------------|----------------------|--------------------|
| Procedure date/time: | 19/07/2025 9:28 AM | Accession no: | 1977519550 |
| Patient name: | TELFER Janet Isabelle | Patient ID: | 0772105 |
| Date of birth: | 19/09/1940 | Age: | 84 year(s) |
| Height: | 162 cm | Gender: | Female |
| Weight: | 66 kg | BSA: | 1.7 m ² |

Procedure Staff

| | | | |
|--------------------------------|---------------|---------------------|--------------------|
| Referring Physician: | Harwood Tom J | Sonographer: | Michaela Kalogiros |
| Interpreting Physician: | Rebecca Kozor | | |

Proc. sub type: TTE procedure

Indications

SOBOE and Aortic stenosis.
MBS Code: 55126 - TTE (initial, only assign once/24 months)

Additional Indications

Presenting w vertigo and SOBOE with AS + STE ?BER mild trop rise. ?Severity of AS ?TAVI

Procedure Information

| | | | |
|-----------------------|------------------------|------------------------|------------|
| HR: | 74 bpm | Source: | Inpatient |
| Rhythm: | Normal sinus rhythm | Study location: | Mobile |
| Image quality: | Adequate visualization | Specialty: | Cardiology |

Measurements

Dimensions

| | | | |
|--------------------------|----------------------|-----------------------------------|------------------------|
| Sinus of Valsalva: | 2.9 cm | LV Internal Dimension (end dias): | 3.9 cm |
| Sinus of Valsalva index: | 1.79 cm/m | LV Internal Dimension (end sys): | 3 cm |
| Septal Thickness: | 1.2 cm | RA area: | 15.7 cm ² |
| Post LV Wall Thickness: | 1.2 cm | RA volume index: | 19.4 ml/m ² |
| LA area: | 22.5 cm ² | LA volume (BP) index: | 44.8 ml/m ² |
| LA volume (BP): | 76.4 ml | | |

Aortic Valve

| | |
|---------------------|-------------------------------------|
| AV Peak velocity: | 5.3 m/s |
| AV Peak gradient: | 113.2 mmHg |
| AV Mean gradient: | 74 mmHg |
| AV VTI: | 125 cm |
| LVOT diameter: | 2.1 cm |
| LVOT peak velocity: | 1.1 m/s |
| LVOT VTI: | 24.1 cm |
| AVA (Continuity): | 0.7 cm ² |
| AVA Indexed: | 0.4 cm ² /m ² |
| SV Indexed: | 49 ml/m ² |

Right Ventricle

| | |
|-----------------|-----------|
| TAPSE: | 2.2 cm |
| RV s' velocity: | 0.171 m/s |
| RV basal diam: | 4.5 cm |
| RV mid diam: | 3.1 cm |

LV Ejection Fraction - Simpson

| | | | |
|-------------------|------------------------|-------------------|------------------------|
| LVEDV (Biplane): | 74.4 ml | LVESV (Biplane): | 28.7 ml |
| LVEDVI (Biplane): | 43.7 ml/m ² | LVESVI (Biplane): | 16.8 ml/m ² |
| EF (Biplane): | 61.4 % | | |

Ejection Fraction - 3D**Procedure Summary****Summary:**

Normal LV size with mild concentric LVH and normal systolic function.
Mildly dilated RV with normal systolic function.
Moderately dilated left atrium.
Severe aortic stenosis with at least mild aortic regurgitation.

Findings (Rest)

| | |
|---|---|
| <u>Left Ventricle:</u> | Normal left ventricular chamber size, mildly increased wall thickness, and normal systolic function. Ejection fraction estimated at 61%. |
| <u>Right Ventricle:</u> | Mildly dilated right ventricular size and preserved systolic function. |
| <u>Left Atrium:</u> | Moderately dilated left atrium. |
| <u>Right Atrium:</u> | Upper normal right atrial size. |
| <u>Aortic Valve:</u> | Heavily calcified probably trileaflet aortic valve with restriction of opening on 2D imaging. Doppler data as above consistent with severe aortic stenosis. At least mild aortic regurgitation. |
| <u>Aorta:</u> | Normal aortic root (2.9 cm). Dilated ascending aorta (3.8 cm). |
| <u>Mitral Valve:</u> | Mild posterior mitral annular calcification with mildly thickened leaflets. Trivial mitral regurgitation. |
| <u>Tricuspid Valve:</u> | Normal tricuspid valve structure with trivial tricuspid regurgitation. Estimated right ventricular systolic pressure 38 mmHg (assuming a right atrial pressure of 15 mmHg) |
| <u>Pulmonary Valve:</u> | Normal pulmonary valve structure with trivial pulmonary regurgitation. |
| <u>Pericardium & Pleura:</u> | Normal. |
| <u>Additional Findings:</u> | Dilated inferior vena caval size and reduced collapsibility with inspiration. |

Patient name: TELFER Janet Isabelle MRN: 0772105 Date of study: 19/07/2025 9:28 AM

A handwritten signature in blue ink, appearing to read 'R. Kozor', is located in the top left corner of the page.

Electronically signed by Rebecca Kozor (Interpreting Physician) on 21/07/2025 at 10:49 AM