

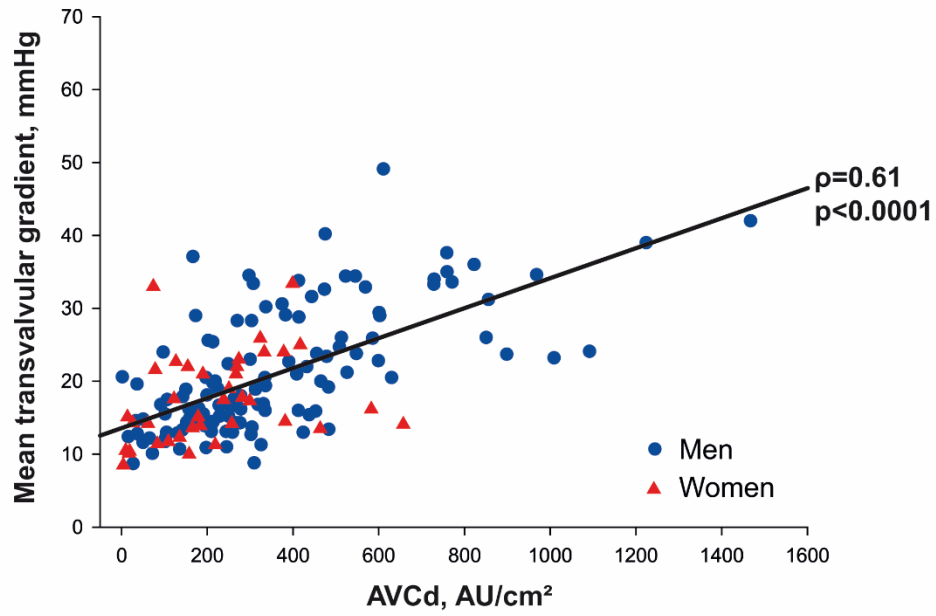
Online Supplementary Materials

for the following *Heart* article

TITLE: Effect of Age and Aortic Valve Anatomy on Calcification and Hemodynamic Severity of Aortic Stenosis

AUTHORS: Mylène Shen, BSc, Lionel Tastet, MSc, Romain Capoulade, PhD, Éric Larose DVM, MD, Élisabeth Bédard, MD, Marie Arsenault, MD, Philippe Chetaille, MD, Jean G. Dumesnil, MD, Patrick Mathieu, MD, Marie-Annick Clavel, DVM, PhD, Philippe Pibarot, DVM, PhD

ONLINE FIGURE 1



Title: Correlation between the mean transvalvular gradient (MG) and the aortic valve calcification density in the whole cohort (AVCd) [n=200].

Legend: Men are represented by blue dots and women are represented by red triangles.

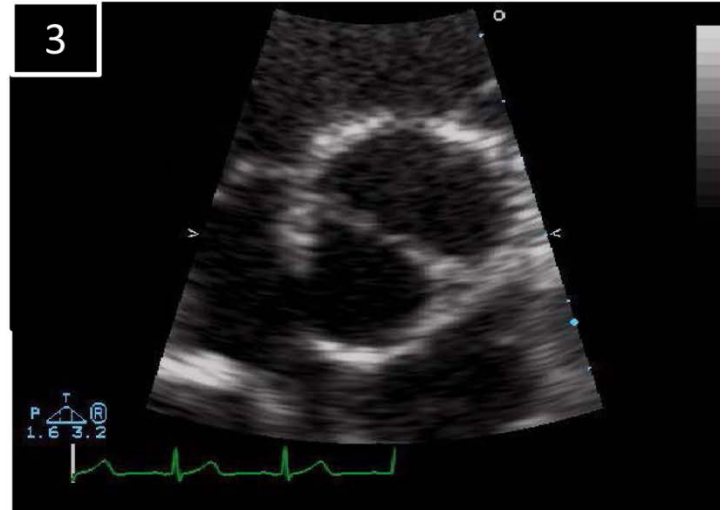
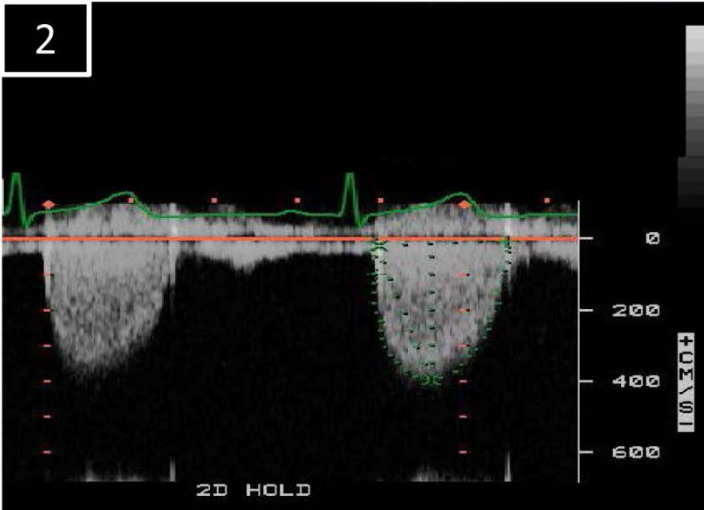
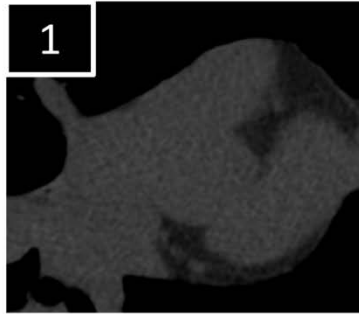
ONLINE FIGURE 2



Title: Typical tricuspid aortic valve imaging.

Legend: **1** – Aortic valve calcification (AVC) by multidetector computed tomography [AVC: 3872 AU; AVC density: 730 AU/cm²]; **2** – Aortic stenosis severity by Doppler echocardiography [Mean transvalvular gradient: 31 mmHg, Aortic valve area: 1.02 cm²] and **3** – Short-axis view of the aortic valve by Doppler echocardiography.

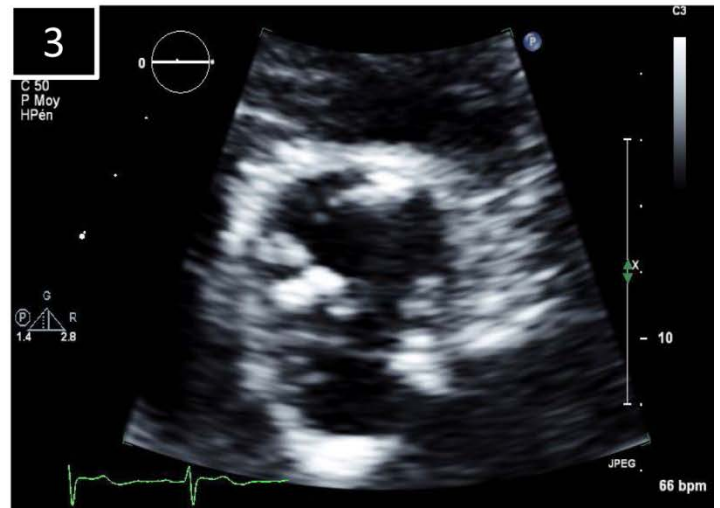
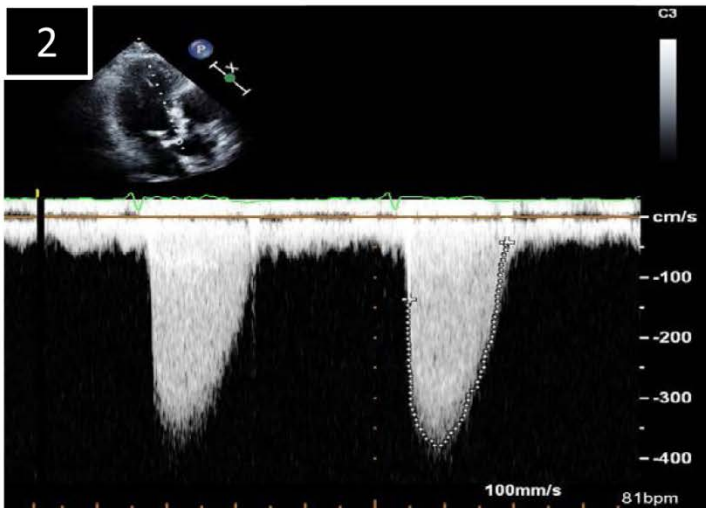
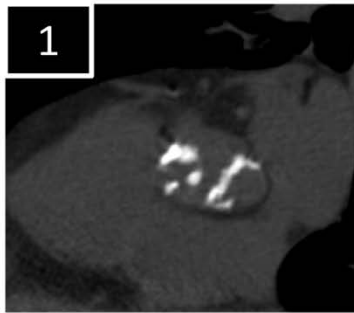
ONLINE FIGURE 3



Title: Typical bicuspid aortic valve imaging in the subgroup of patients <51 years old.

Legend: **1** – Aortic valve calcification (AVC) by multidetector computed tomography [AVC: 0 AU; AVC density: 0 AU/cm²]; **2** – Aortic stenosis severity by Doppler echocardiography [Mean transvalvular gradient: 45 mmHg, Aortic valve area: 0.6 cm²] and **3** – Short-axis view of the aortic valve by Doppler echocardiography.

ONLINE FIGURE 4



Title: Typical bicuspid aortic valve imaging in the subgroup of patients ≥ 51 years old.

Legend: **1** – Aortic valve calcification (AVC) by multidetector computed tomography [AVC: 5313 AU; AVC density: 752 AU/cm²]; **2** – Aortic stenosis severity by Doppler echocardiography [Mean transvalvular gradient: 36 mmHg, Aortic valve area: 0.90 cm²] and **3** – Short-axis view of the aortic valve by Doppler echocardiography.