



A COMPLEX “VALVE IN VALVE” TAVR CASE WITH PREPROCEDURAL SEVERE PARAVALVULAR LEAK

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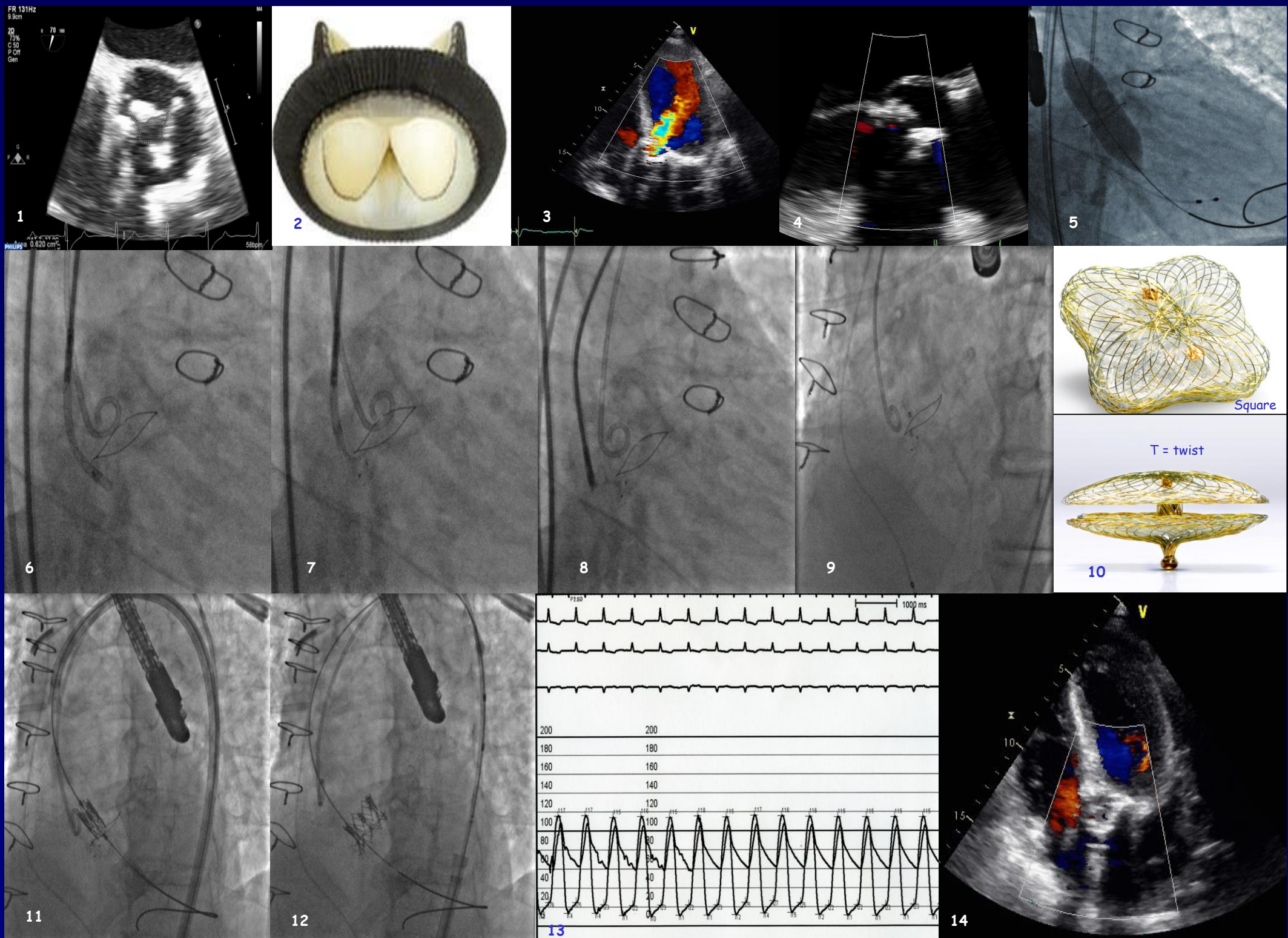


Figure 1. 2D TEE (short axis) showing degenerated and severely calcified aortic bioprosthesis. Figure 2. Sorin Pericarbon More 23 bioprosthesis. Figure 3 and 4. 2D/3D TEE/TTE color Doppler (4-chambers and long-parasternal views) severe aortic regurgitation through paravalvular leak (largest diameter \approx 5 mm). Figure 5 Balloon aortic valvuloplasty (BAV) with a 20x40 mm NuMed (Z Med) balloon. Figure 6. 8F Judkins JR4 guiding catheter through the leak in the LV. Figure 7. Distal disc opening of the Occlutech® Paravalvular Leak Device (PLD) Square Twist 5 mm. Figure 8. Opening the proximal disc of PLD. Figure 9. PLD finally deployed. Figure 10. Occlutech® PLD Square Twist. Figure 11. Transcatheter Aortic Valve Replacement (TAVR) procedure with a Sapien XT 23 mm after BAV and PVL closure. Figure 12. Sapien XT 23 mm fully expanded. Figure 13. No significant transvalvular gradient, good diastolic pressure. Figure 14. 2D TTE color Doppler: no residual leak, no aortic regurgitation, LVEF \approx 40%.