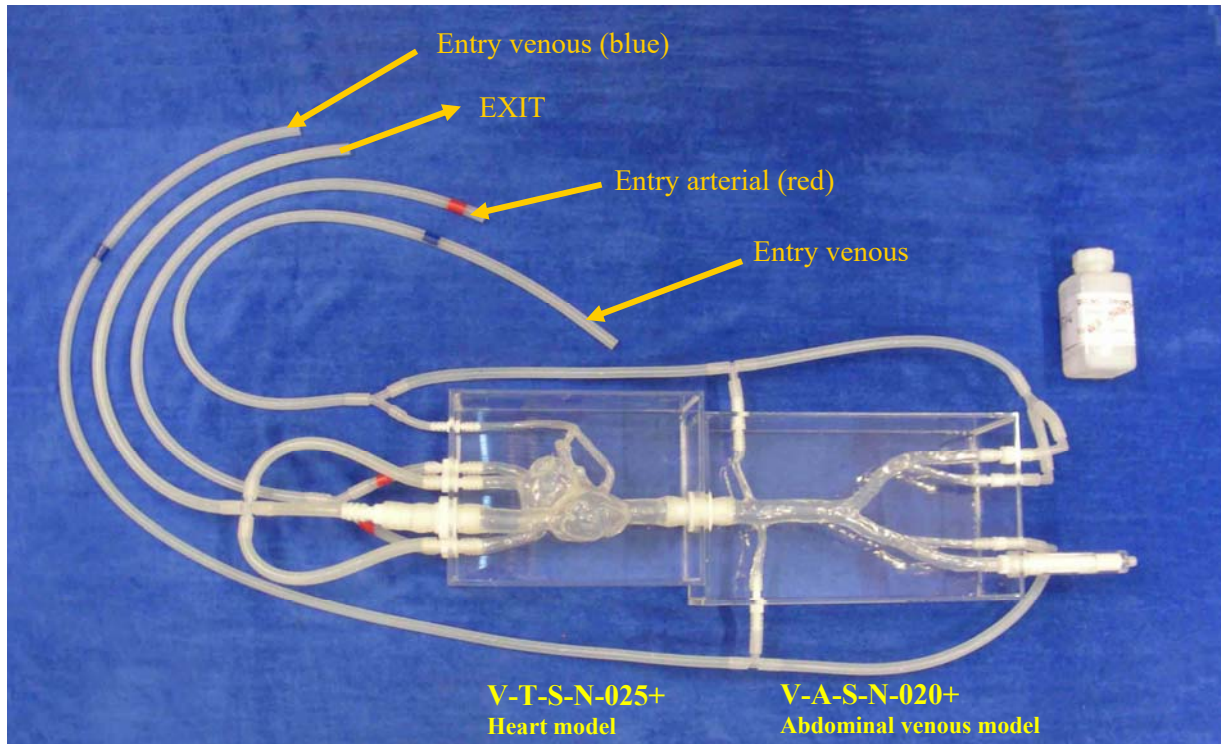




Venous Transseptal model for Atrial Fibrillation (AF)

Reference: V-T-S-N-025+ Heart model, V-A-S-N-020+ Abdominal model



In light of the significant morbidity and mortality from **atrial fibrillation (AF)**, there has been significant interest in the development of percutaneous catheter ablation procedures for the suppression of AF. Atrial fibrillation is a complex arrhythmia in the mean of irregular and rapid beating of the upper two chambers of the heart (the Left and Right atriums = atria).

As minimally invasive procedures become more and more popular this anatomical vascular training heart model has been developed to mimic the treatment of percutaneous catheter ablations of cardiac rhythm diseases for AF.

Additionally, the unique design allows a bidirectional approach from the pulmonary veins or from the iliac veins (trans-femoral).

The flow model also provides the necessary connection to a continuous or pulsatile flow pump to create physiologic flow dynamics and wet-lab functionality.

The see-through silicone concept supports and enhances interventional training but also provides an ideal platform for stent developments and in vitro-testing.

This venous heart model is an anatomically designed implantation model composed of **the left and right atriums with an approx 3mm hole through the septum between both atrial, descending vena cava, renal veins, and the iliac veins.**