



Deoxygenated blood collects in the vena cava, from the vena cava it goes into the right atrium through the tricuspid valve and into the right ventricle. The heart now contracts for the first time. The contraction sends blood through the semilunar valves and into pulmonary arteries and into the lungs. In the lungs the blood exchanges CO₂ for O₂. Oxygenated blood now travels back into the heart through the left pulmonary vein into the left atrium through the bicuspid valve and into the left ventricle. The heart now contracts for the second time completing one heartbeat and sending blood out the semilunar valves into the aorta and out into the body.