

Transvenous occlusion of patent ductus arteriosus using an embolization coil in a Maltese dog

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Patent ductus arteriosus (PDA) is the incomplete or absent closure of ductus arteriosus. A 6-year-old female Maltese dog (body weight 2.0 kg) was referred to the Veterinary Teaching Hospital, Kangwon National University with primary complaints including exercise tolerance and heart murmur. Based on clinical and diagnostic findings including V/VI left basal continuous murmur, bounding femoral pulsation, left ventricular enlargement pattern in electrocardiogram, cardiomegaly with aortic bulging on the thoracic radiography, and shunt flow between aorta and pulmonary artery on the echocardiography, the dog was diagnosed as the left-to-right patent ductus arteriosus. The patent ductus arteriosus was successfully treated by lodging a single embolization coil with transjugular approach.

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