

## Use of Infrared Thermographic Imaging for diagnosis of thromboembolism in maltese dog

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Infrared thermographic imaging is an alternative to thermometers that is available to give a continuous image of surface temperatures.

A 8-year-old intact female Maltese dog was presented to Veterinary Medical Teaching Hospital of Konkuk University with a history of recurrent mammary gland tumor (MGT). The patient was visited due to loss of weight bearing of the left hindlimb 3 days after first presented. The patient tentatively diagnosed thromboembolism according to physical examination, blood gas analysis, d-Dimer and ultrasonography. Infrared thermographic imaging was showed decrease signal at the lower part of the femoral region. Because of the patient was no response to treatment with thrombolytic agent during 24 hours, we perform explorative incision. The embolism was detected at the point of branch out of deep femoral artery. After catheter insertion in femoral artery, physically broke and thrombolysis with heparin. The patient was possible walking on the next day and d-Dimer was located normal range 13 days after initiated treatment with clopidogrel. The cause of thromboembolism is regarded as MGT due to rule out of hormone disorder and cardiac disease.

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