

## Uterine Leiomyosarcoma in a Dog

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A case of leiomyosarcoma is reported in a 9-year-old female Jin Do. The dog has been suffered from 1 week history of abdominal distension, dyspnea, depression and anorexia. On routine physical examination, radiology and ultrasound, a large occupying mass was noted in the reprotoeritoneum. Due to poor prognosis, the uterine mass removed by ovariohystrectomy and submitted to pathology department for diagnosis. Grossly, the mass was firm, tan and contained several areas that were necrotic and hemorrhagic. Histologically, the tumor was composed of sheets of interlacing bundles of spindle-shaped cells with moderate amount of cytoplasm and oval to blunt-ended nuclei. Mitotic figures varies from 0 to 2 per high power field. Immunohistochemically, the tumor cells were strongly positive for desmin and smooth muscle-specific actin but were negative for vimentin. Based on the gross and microscopic findings together with immunohistochemical result, the uterine tumor mass was diagnosed as a primary uterine leiomyosarcoma.

Since the removal of the uterine mass, the dog is still alive.