

Cutaneous Liposarcoma in a Mongrel Dog

**Jae-Hee Lee*, Mee-na Hwang, Man-Gil Han, Se-Ung Jang,
Yeun-Jung Hong, Gi-Jong Lee, and In-Sung Jung**

*Royal Animal Medical Center, Seoul, Korea
Laboratory of Animal Referral Center*

Cutaneous liposarcoma is one of the malignant tumors arising from lipoblasts with subcutaneous fat. A 6-year-old spayed female Mongrel dog was presented to the Royal Animal Medical Center with a 3 subcutaneous masses in the dorsal back from past 2 months ago. On physical examination, from 1 to 3 cm, soft, mild movable nodules were palpated. In screening test, remarkable findings were not notified.

Fine needle biopsy revealed many free fat droplets, inflammatory cells, especially macrophages and several lipoblasts. Lipoblasts showed more pleomorphism than dysplastic changes induced inflammatory process. Excision and histopathologic were performed for distinct diagnosis. Histopathology revealed atypical lipoma. In CT findings, metastatic changes were not identified. Metastasis was insignificant. Low malignant liposarcoma was diagnosed, so regular check up performed. Three months later, new mass was detected in the caudodorsal back. FNA, CT, histopathologic examination was performed and revealed mediastinal lymphadenopathy. VCA protocol performed for palliative therapy and it schedule to regular checkup.

Liposarcomas are rare in dogs and effective radiotherapy and chemotherapy are absent in present.

* Corresponding author: yamild-arc@hotmail.com