

MYXOFIBROMA IN A CHICKEN : A CASE REPORT

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Myxomas are small single nodules sharply demarcated from the surrounding tissue. They were firm but not hard and tenacious mucinous material exuded from the cut surface (Reece, 1996). The combination of cellular elements of myxoma and fibroma as myxofibroma is reported here.

MATERIALS AND METHODS

A three months old chicken showed small firm light whitish spherical nodules measuring about 0.2 mm to 1 cm in diameter on the skin. The nodular masses were excised and processed for histopathological examination.

RESULTS AND DISCUSSION

Histopathological examination revealed spindle cells running in different directions and stellate cells with processes against mucinous background (Fig.1). Some areas were interspersed with spindle cells and stellate cells with pale blue mucinous background. Van Gieson stain revealed the presence of collagen around the spindle cells. The nuclei were round to oval and vesicular in the neoplastic spindle cells.

The case was diagnosed as myxofibroma based on the neoplastic fibrous and myxomatous tissue components.

Myxomas and myxofibromas occurred as single nodule composed of spindle shaped or fusiform cells in a loose network of collagen and alcian blue-positive substance. Mitotic figures were not common and there was usually a thin fibrous capsule. They were found at the commissures of the beak, rostral extremity of the upper beak, cranium, foot pad, thoracic cavity, kidney, ovaries and mesentery (Reece, 1992 and 1996). Myxoma was reported in thoracic vertebrae (Selvaraj, 2002) and spleen (West, 1974) Cutaneous myxofibroma was observed in this case.

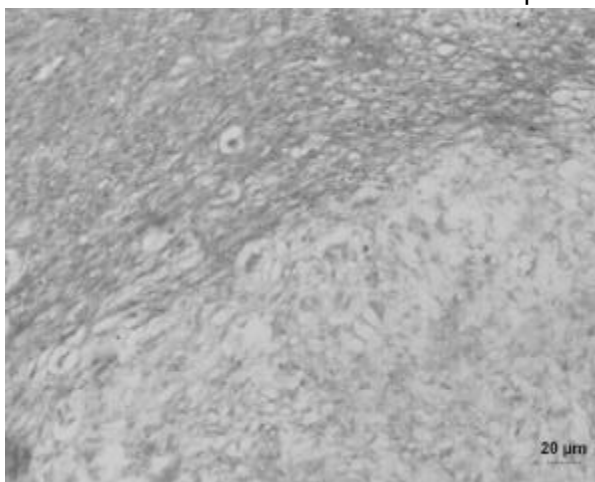


Fig.1. Myxofibroma - Chicken-Spindle cells running in different directions and stellate cells against mucinous background Scale bar H&E 20 m

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