

Neoplasia in oil sardine from Palk Bay

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During a routine fishery survey programme at Irumeni fishing village, Palk Bay on 03rd December 2016, a single specimen of oil sardine *Sardinella longiceps* with neoplasia, measuring 163 mm in total length (TL) and weighing 119 gram was collected from the gillnet landings. The specimen was a female with empty stomach.

The methodology of Sanil and Sobhana, 2014 'Monitoring Neoplasia/Tumours in Marine Fish' was followed for reporting on the specimen. Grossly, the neoplasia was a whitish solid hard structure on the upper maxillary part, that measured 5.9 mm in

Neoplasia



diameter. Microscopically, the growth at the mouth part showed an area of fibroblast proliferation along

with the bony tissue. The osteoclast cells had become atrophic and were varied in shapes having lost its structure. Pleomorphisms of the cells were also present. There was considerable anaplasia of cells with marked variation in size and shape and

scattered giant cells were readily evident. The histological studies further revealed that the tumour was 'Fibroma' and its etiology and metastatic nature requires further scrutiny.