Heterotopic ossification in primary colorectal tumours – Case report and Literature review

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ABSTRACT

Heterotopic bone formation has been reported in malignancies involving the kidneys, liver, breast, and skin. Ossification in the gastrointestinal tract is extremely rare; nevertheless, it has been reported in association with benign colonic polyps, carcinomas, carcinoid of the stomach and with mucocele of the appendix. In 1923, Hasegawa was the first to report 5 cases of rectal carcinomas with bone formation in the文献, in 1923, Hasegawa was the first to report 5 cases of rectal carcinomas with bone formation in the literature.

RESULTS

Table 1: Literature search results...

Overall 28 patients with heterotopic ossification were found in the literature (Table 1), of which were rectal lesions "14 showed histopathology of adenocarcinoma, 3 inflammatory polyps and 1 as extra skeletal osteosarcoma", 3 were caecal "including our case, 2 of which were adenocarcinoma and the third case was reported as granular cell tumour", 2 were in the ascending colon, both were adenocarcinoma, 1 in the left colon "High grade dysplasia with foci of adenocarcinoma" and 1 in the sigmoid colon " Tubular adenoma with mild dysplasia".

CONCLUSIONS

Heterotopic ossification in primary colorectal tumours is a rare lesion and can happen in association with different colorectal pathologies. They need to be carefully diagnosed so they are not mistaken with direct bone invasion.