Results: DDC feeding led to increased serum markers of hepatic injury, ductular reaction, induction of proinflammatory cytokines and biliary fibrosis. Interestingly, melittin treatment attenuated hepatic function marker (ALT, AP, total bilirubin), ductular reaction (Cytokeratin 19), reactive phenotype of cholangiocytes and cholangitis (VCAM and CD11b) and biliary fibrosis (type I collagen, TIMP-1, TGF- β).

Conclusion: Our data suggest that melittin treatment can be protective for chronic cholestasis disease as well in DDC feeding mice. Further study for the anti-inflammatory capacity of melittin is given target therapy in cholangiopathy.

122. CORRELATION VEGF AND MVD WITH RESPONSE TO RADIOTHERAPY IN ADENOCARCINOMA CERVICAL

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Introduction: Radiation therapy plays a critical role in women with advanced-stage cervical cancer worldwide including adenocarcinoma type, particularly in developing countries, and most of the time it may be the only available treatment. The efficacy of radiation largely depends on the radiosensitivity of the tumor. Neovascularization is an important step in the tumor progression and the therapeutic targeting of the tumor blood vessels appears to be a good strategy to follow in the anti-cancer treatment. Thus, even in an incipient phase of the clinical research process, the combination between the anti-angiogenic aimed therapies and the current radio-chemotherapy seems to represent a new, feasible and promising approach. The aim of the present study was to determine the prognostic and/or predictive value of some biological markers of tumor angiogenesis and of their implication in increasing the efficacy of current treatments for this cancer.

Methods: So far, 32 women were included in a retrospective trial. A tumor biopsy was obtained from each patient before the start of therapy and patients with histopathological report as adenocarcinoma cervical were included in this study. The density of microvascularization was assessed using CD34 monoclonal antibody, the expression of angiogenic factors VEGF were determined in tumor biopsies by specific immunohistochemistry techniques, using primary antibodies anti-VEGF respectively.

Results: Among the studied clinical and molecular factors, we found to be predictive for the type of response the following factors was MVD expression. MVD expression has higher correlation with response to radiotherapy than VEGF expression.

Conclusions: MVD has significant value in predicting response to radiotherapy in adenocarcinoma cervical cancer patients than VEGF expression.

123. MULTINODULAR GOITER WITH ADIPOSE METAPLASIA: A CASE REPORT

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Background: The presence of adipose tissue within the thyroid gland has been reported in wide range of conditions such as adenolipoma (thyrolipoma), thyrolipomatosis, amyloid goiter, goiter, follicular adenoma, papillary carcinoma, lymphocytic thyroiditis and heterotopic nest. Several theories have been proposed such as metaplastic change from stromal fibroblasts due to local hypoxia or developmental abnormality during embryogenesis.

Case report: The author reports a case of an 82-year-old woman who presented with a 60-year history of midline neck mass with gradual onset of compressive symptom for the past several months. Computed tomography of the neck showed diffuse thyroid enlargement with features suggestive of multinodular goiter extending to the superior mediastinum. Total thyroidectomy was performed. Gross examination revealed a huge thyroid gland with nodular surface measuring 14x9.8x5 cm. and weighing 320.5 g. Serial sections showed multiple colloidal brown nodules of 1–6.2 cm. in size, with thin fibrous capsule and degenerative change involving the bilateral lobes and isthmus. Histologic sections displayed benign follicular proliferation of various sizes with degenerative change and scattered infiltration by mature adipose tissue in all nodules. The final diagnosis was multinodular goiter with mature adipose tissue infiltration, most likely from adipose metaplasia due to prolonged degenerative change.

Conclusion: Thyroid infiltration by mature adipose tissue has been described in various conditions. The pathogenesis is unclear. The diagnosis requires combinations of clinical details, gross pathology and histopathology.

124. CLINICOPATHOLOGICAL FINDINGS IN A CASE SERIES OF EXTRAPLEURAL SOLITARY FIBROUS TUMOURS

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Background: Extrapleural solitary fibrous tumours (SFTs) represent an uncommon soft tissue tumour with unpredictable behavior.

Aims: This case series illustrates the pathological features that maybe associated with recurrences.

Methods: The pathology and clinical reports were retrieved from the electronic databases from two institutions between 2001 and 2014 and included thirteen ($n=13$) extrapleural SFTs patients in our analysis. The patients were followed up between 1 month to 13 years and 8 months (mean: 3 years and 1 month).

Results: There were 10 males and 3 females, whose age ranged from 28 to 79 years (mean: 51.5 years). The documented tumours size ranged from 20 to 125 mm (mean: 61.8 mm). Seven tumours were located in the abdomen or pelvis, two in the extremity and four, head and neck. Twelve tumours had circumscribed borders and one had infiltrative borders. Eleven tumours were clear of the resection margins and two were incompletely resected. The risk of recurrence was stratified based on the patient's age, tumour size and number of mitotic figures. Two tumours had features associated with high risk of recurrence, two had moderate risk and nine had low risk. Two of the tumours were recurrences where the initial histology had low risk features. One of these tumours had low risk features, was incompletely excised and was suspicious for a further recurrence. No