

Archives of Pathology and Clinical Research

Volume - 1, Issue - 1

Case Report

Published Date:- 2017-07-17

[A great mimicker of Bone Secondaries: Brown Tumors, presenting with a Degenerative Lumbar Disc like pain](#)

This report presents an adult patient suffering from sacroiliitis like low back pain, lumbosacral radiculopathy and elbow swelling. Multimodality imaging revealed multiple lytic bone lesions located in supra acetabular iliac bone, sacrum, and distal end of radius. Painful numerous lesions due to the extension to the articular surfaces are not expected for Brown tumors. Less than ten cases with multiple Brown tumor due to primary hyperparathyroidism has been reported. Although Brown tumors are mostly diagnosed incidentally, this case would awake the physicians about rheumatological symptoms in the presentation of Brown tumors. Since Brown tumors are non-touch bone lesions that are expected to regress after parathyroid adenoma removal, it is important to distinguish Brown tumors from the giant cell tumors.

Review Article

Published Date:- 2017-06-27

[MicroRNA Therapeutics in Triple Negative Breast Cancer](#)

Breast cancer is a complex disease and one of the main causes of cancer-related mortality in women worldwide. In case of approximately 15% of all breast cancers, three markers i.e. estrogen receptors (ER), progesterone receptors (PR) and human epidermal growth factor receptors-2 (HER2) are not expressed, and is commonly termed as triple-negative breast cancer (TNBC). Particularly, TNBC is associated with a higher percentage of breast cancer related mortality, which is often aggressive and most frequently found with a BRCA1 mutation or increased basal marker expression. However, due to the limitations of chemotherapy and radiation based treatment; the current challenge is to establish a new strategy of diagnosis and treatment of TNBC. The deregulation of a number of microRNAs (miRNAs) in breast cancer has been widely reported. Therefore, this review is directed towards enhancing our understanding of the involvement of various miRNAs in the pathology of TNBC, their upregulations and downregulations and the effects on various factors. From recent studies a number of miRNAs are found to be related with TNBC, which have great potential to be used as a biomarker to determine the disease prognosis and predict the fate of disease. Again miRNA can be targeted to be applied as a therapeutic to provide a great benefit to the patients of TNBC by finding a new, safe, and effective treatment strategy.

Case Report

Published Date:- 2017-06-12

[Hypernatremia and central Diabetes Insipidus following Neurosurgical procedure of Trauma](#)

The greater risk of hypernatremia in patients over 65 years old are associated with impaired mental status and physical disability which may result in impaired sensation to thirst, impaired ability to express thirst, and/or decrease access to water [1,2]. Normally, anti-diuretic hormone (ADH, also known as arginine-vasopressin, AVP) is secreted in response to 1-2% increase in osmolality which stimulate thirst, as do hypovolemia and hypotension.

Short Communication

Published Date:- 2017-01-30

[Role of Carcinoma Associated Fibroblasts in Anoikis Resistance in Oral Squamous Cell Carcinoma –need of the hour](#)

Anoikis resistance (AR) is a favorable attribute exhibited by cancer cells for metastasis. Carcinoma associated Fibroblasts (CAFs) plays a crucial role in AR in various cancers. It was proved in array of studies in different cancers that there was definite interrelationship between CAFs and AR. But its role in OSCC is ambiguous. It is the need of the time to reveal the correlation of CAF and oral squamous cell carcinoma (OSCC) in relation with anoikis. Molecular pathways which affects the AR via CAFs in various cancers has been highlighted in this communication. Divulging the importance of CAF in cancer will aid in designing customized novel chemoprevention therapy and thus will help in enhancing the prognosis of patient in OSCC.
