



Calcification in Human Pathology 2.0

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Message from the Guest Editors

Calcifications are mineral deposits accumulated in several human tissues that are often associated with the occurrence and development of diseases, such as cancer and/or inflammation. Recent studies have demonstrated that the formation of calcifications in human tissues, i.e., breast and prostate cancer, can be triggered by biological processes related to the epithelial to mesenchymal transition phenomenon. Therefore, the presence of microcalcifications could be considered an end-point sign of biological processes involved in human diseases. In spite of the relevant role of microcalcifications in early detection of some human diseases, and their proposed activities in modulating cell behavior, little is known about their chemical composition or how this relates to pathology. Topics will include (but are not limited to):

Biological mechanisms related to the formation of calcifications; Identification of cells involved in ectopic calcifications; Prognostic value of calcifications; Elemental composition of calcifications; Cardiovascular, breast, prostate and kidney calcifications; Calcifications as a sign of tissue osteotropism.





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Message from the Editor-in-Chief

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