

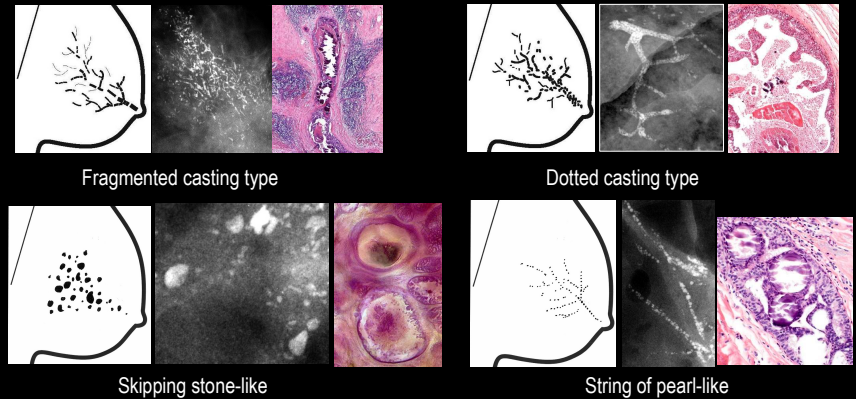
Course outline in a nutshell – Video V

Our aim is to

- Provide advanced calcification analysis explaining microcalcifications developing in the major lactiferous ducts.
- Correlate the large format thin and thick section histopathology images with the mammographic findings.
- Increase your ability of analyzing the challenging calcifications that represent diffuse, poorly differentiated breast cancers.

1

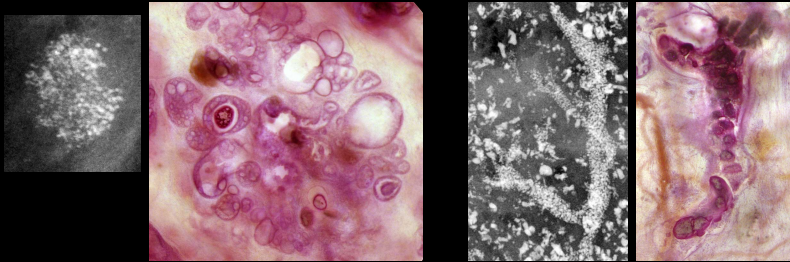
The main topic is: Advanced calcification analysis



2

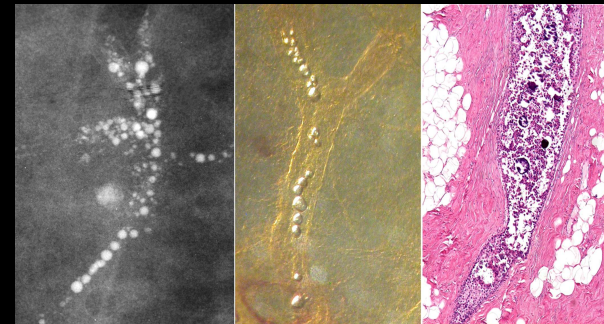
Advanced Calcification Analysis, cont:
the most difficult and most important subtypes

In-depth explanation why the specific microcalcifications
look as they do



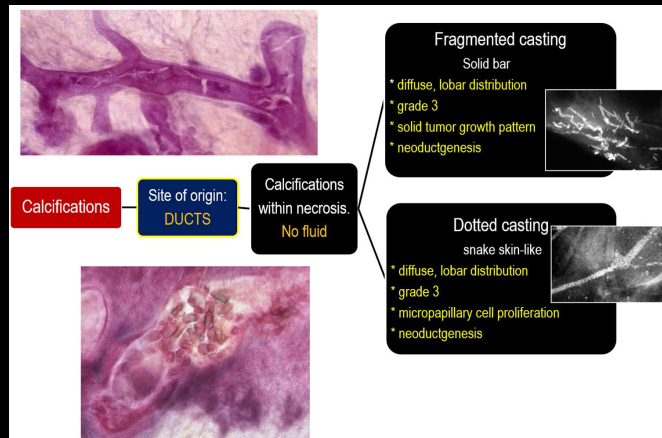
3

A unique comparison of the mammogram with large thin
and thick section histology images will rapidly improve your
interpretive skills through understanding the underlying
pathophysiology leading to the specific appearance of the
calcifications.



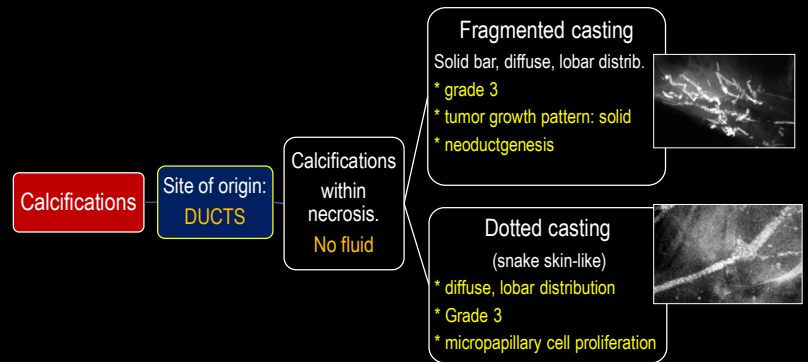
4

You will gain increased confidence through understanding the process causing microcalcifications.



The main topics of this webinar

Analysis of calcifications with no associated tumor mass on the mammogram. Perception, diagnosis, long-term outcome.



Analysis of calcifications with no associated tumor mass on the mammogram. Perception, diagnosis, long-term outcome. **Part II.**

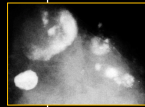
Calcifications

Site of origin:
DUCTS

Calcifications
in proteinaceous
fluid.
No necrosis

Skipping stone-like

- * diffuse, lobar distribution
- * Grade 2
- * Micropapillary & cribriform tumor growth pattern



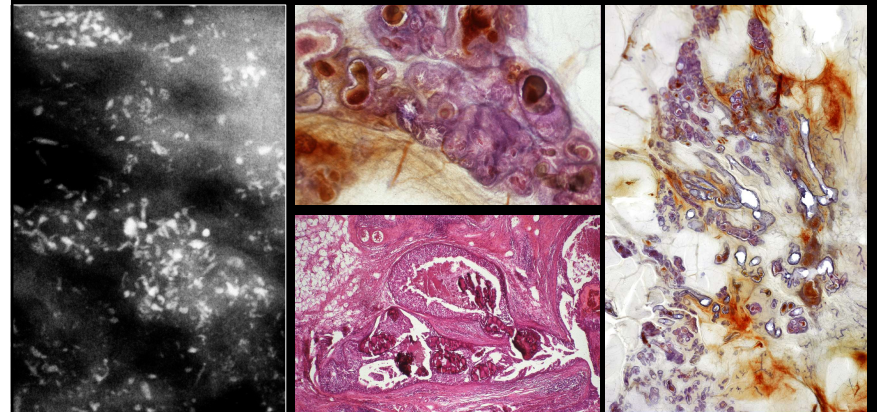
Pearl necklace-like

- * Large psammoma body-like calcifications in the major ducts
- * Grade 1 & 2
- * Cribriform tumor growth pattern



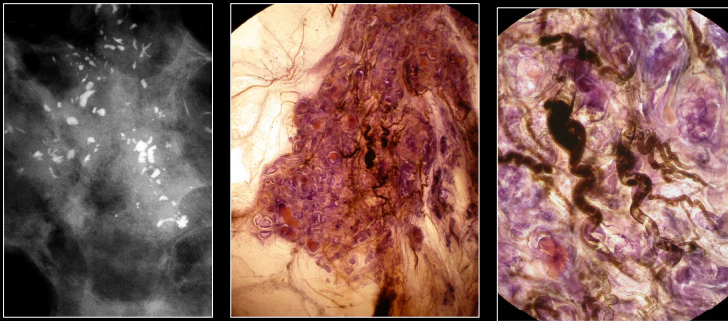
7

In-depth correlation between large format thin and thick section (3D) histopathology and the mammograms in cancers originating in the major lactiferous ducts that undergo necrosis/apoptosis.



8

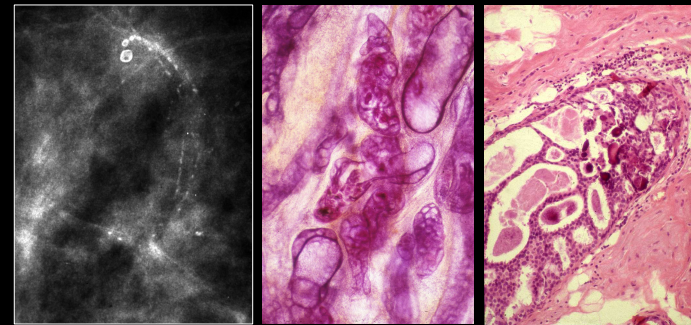
You will gain increased confidence through understanding the process causing amorphous microcalcifications.



Grade 3 neoductogenesis with extensive angioneogenesis

9

Correlation of fluid-producing carcinomas originating in the major lactiferous ducts with their presentation on the mammogram. The so-called *skipping stone-like* and *string of pearl-like* calcifications provide the greatest challenge for the breast imager.



String of pearl-like calcifications

10