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	Total Cancers
In Situ Carcinoma	15% - 30%
Ductal carcinoma in situ	80%
Lobular carcinoma in situ	20%
Invasive Carcinoma	70% - 85%
Ductal carcinoma (no special type)	79%
Lobular carcinoma	10%
Tubular/cribriform carcinoma	6%
Colloid (mucinous) carcinoma	2%
Medullary carcinoma	2%
Papillary carcinoma	1%

## Ductal Carcinoma in Situ (DCIS) Definition

Ductal carcinoma-in-situ of the breast is characterized by tumor cells confined to the ductal system of the breast without light microscopic evidence of invasion through the basement membrane into the surrounding stroma.























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	Non comodo	Comodo
0.4.1		Comedo
Cytology	low grade	nign grade
ER	positive	negative
Aneuploidy	infrequent	frequent
Proliferative rate	low	high
HER2	infrequent	frequent
р53	uncommon	common
Microinvasion	uncommon	common
Angiogenesis	uncommon	common
Microcalcifications	low correlation	high correlation



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Lagios	Nottingham	European
Micropapillary/ cribriform	DCIS without necrosis	Well differentiated
Cribriform with anaplasia	DCIS with necrosis (non- pure comedo)	Intermediatel differentiated
Comedo with necrosis	Pure comedo	Poorly differentiated

















- Abundant, eosinophilic cytoplasm, prominent nucleoli, grades 1-3
- · High grade straightforward
- Low grade difficult to distinguish from apocrine metaplasia: has architectural features of DCIS
- Triple negative





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