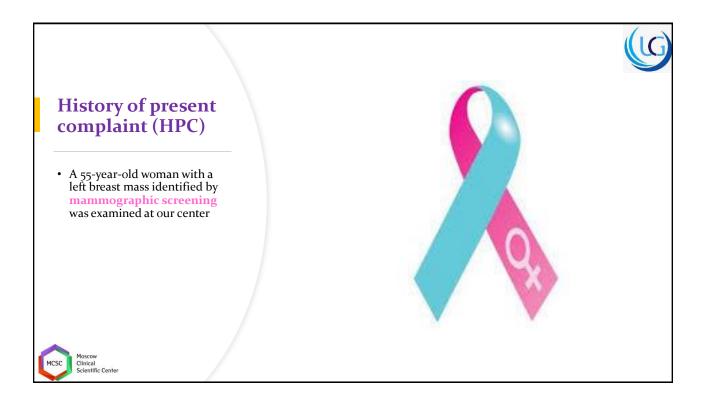
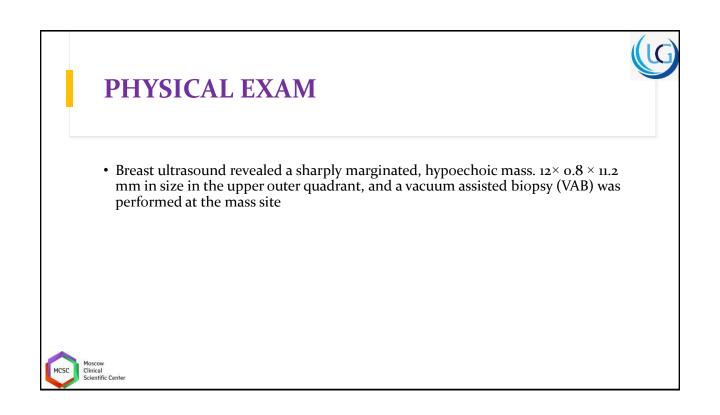


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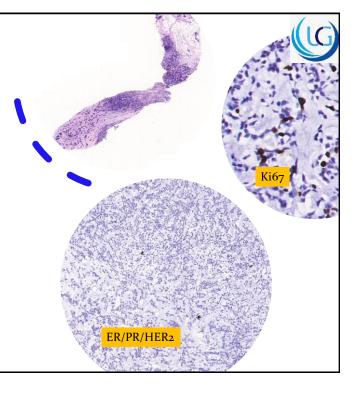






INITIAL INVESTIGATION

- In a pathological examination of the VAB specimen, reaching a pathological diagnosis of **Adenoid cystic carcinoma** (AdCC)
- Were negative for estrogen receptors, progesterone receptors, HER2-negative, ki67 was Low



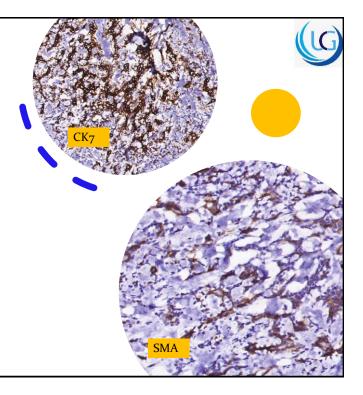


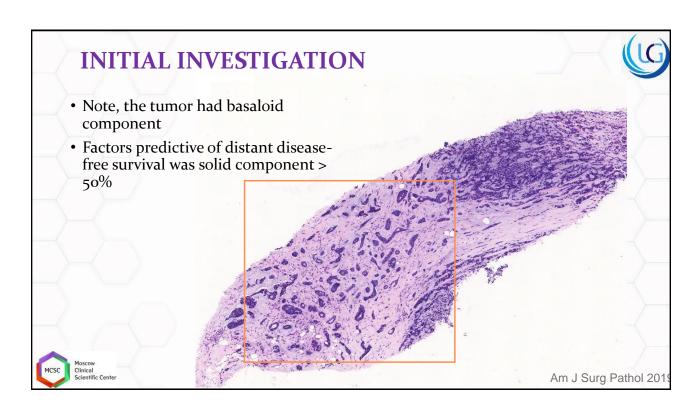
INITIAL INVESTIGATION

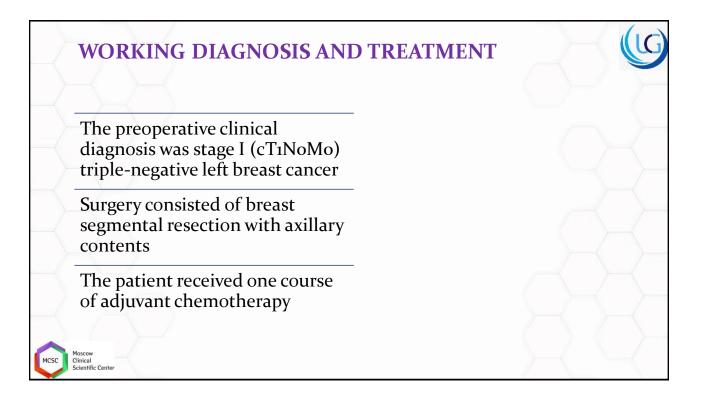
- biphasic with ductal and myoepithelial differentiation
- CK7 +

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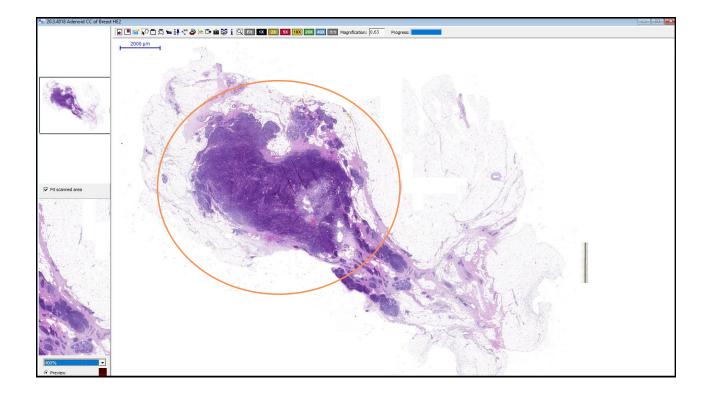
• Myoepithelial markers +

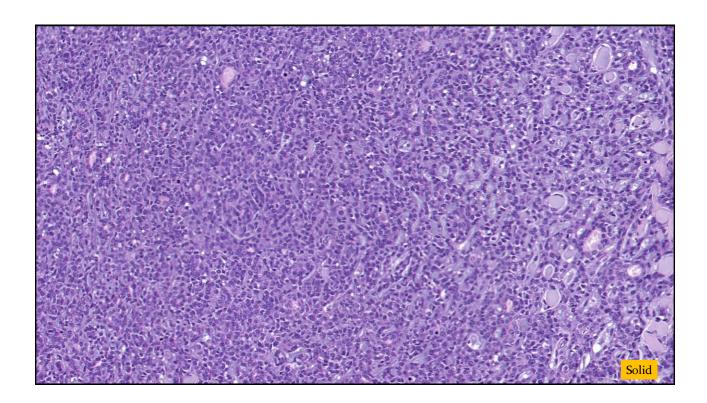


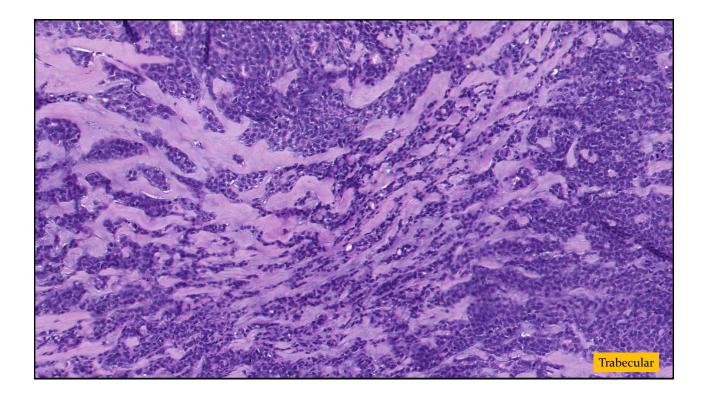


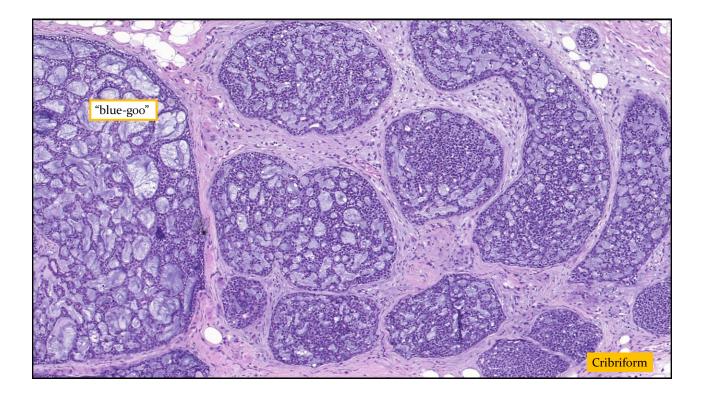


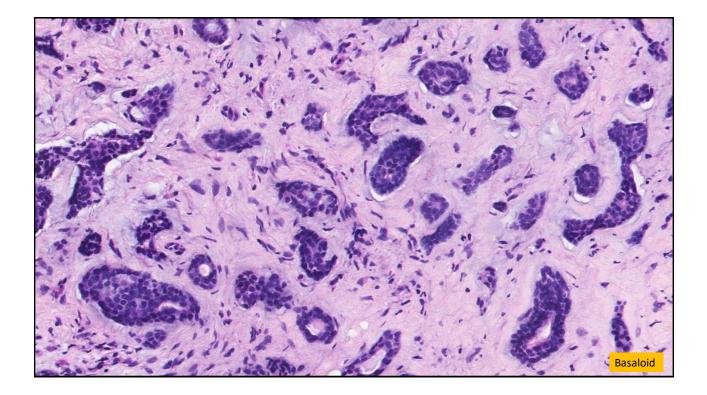
PATHOLOGICAL EXAMINATION The specimen of lumpectomy was sent within an hour to a pathology laboratory Used multiple ink colors Size of the tumor: 1.3xo.8x1 cm Distance to near margins: 5 mm 12 lymph nodes founded

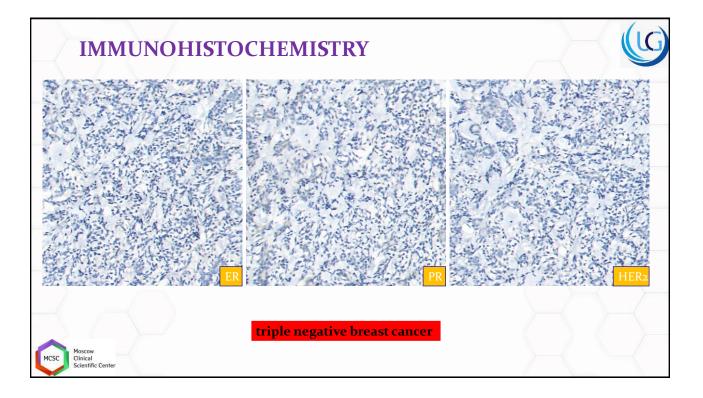


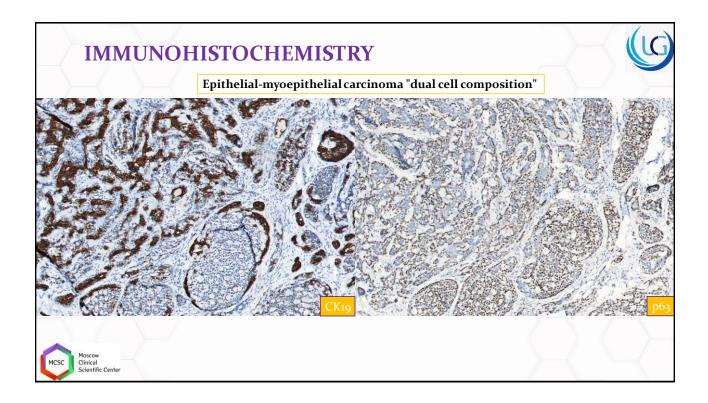


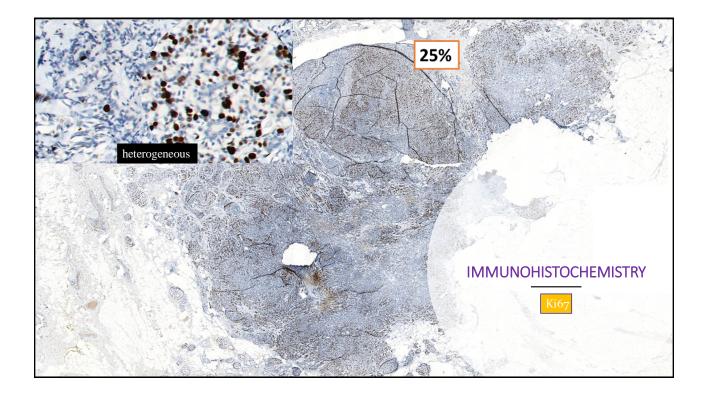


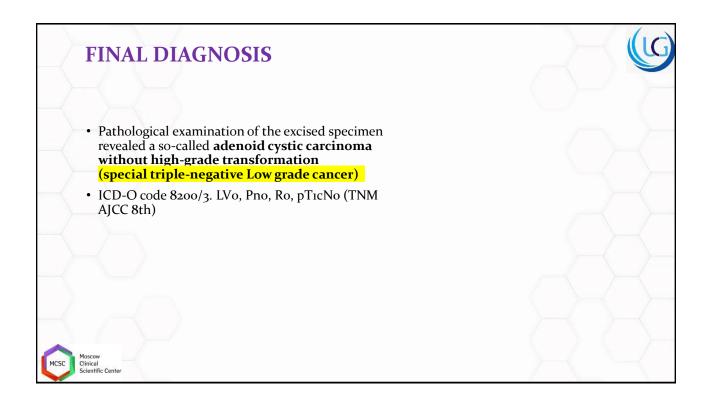




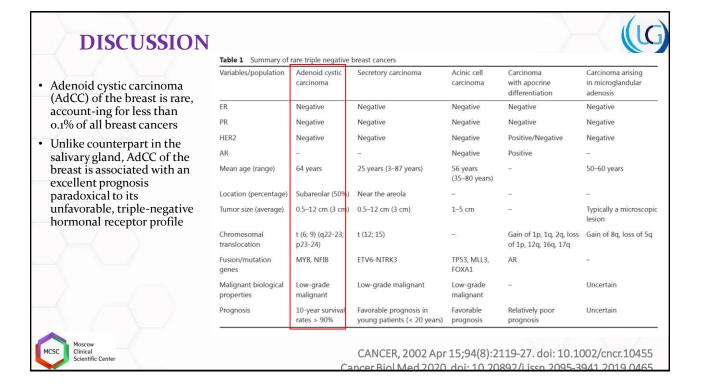








WHO classification	n of epithelial tumours of the breast
Benign epithelial proliferations and f Usual ductal hyperplasia Columnar cell lesions, inclu- Atypical ductal hyperplasia Actenosis and benign scierosing lesi Scierosing adenosis B401/0 Apoorine adenoma Microglandular adenosis Radial scar / complex scier Actenomas 8211/0 Tubular adenoma NOS 8503/0 Duct adenoma NOS	In traduce break calcinomia Ing flat epithelial atypia 85003 in filting duct carcinoma NOS 82903 0ncocytic carcinoma 8315/3 Liptinch carcinoma 8315/3 Cipcogen-tel carcinoma 84103 Sebaeous carcinoma 85203 Lobular carcinoma 85203 Lobular carcinoma 85203 Lobular carcinoma NOS 82113 Tubular carcinoma NOS
Epithelial-myoepithelial tumours 89400 Piecomphic adenoma 898300 Adenomyoepithelioma NO 898333 Adenomyoepithelioma NO 86203 Epithelial-myoepithelioma 85030 Intraductal papilloma 85030 Ductal carcinoma in situ, p 8504/2 Encapsulated papillary car 8504/2 Encapsulated papillary car 8504/2 Encapsulated papillary car 8504/2 Encapsulated papillary car	noma Solid-basaloid adenoid cystic carcinoma Adenoid cystic carcinoma with high-grade transformation billary 84303 Mucoepidermoid carcinoma noma with invasion 85523 Polymorphous adenocarcinoma noma elsopi3 Tal cell carcinoma with reversed polarify
8509/2 Solid papillary carcinoma i 8509/3 Solid papillary carcinoma i 8503/3 Intraductal papillary adeno Non-Invasive lobular neoplasia Atypical lobular ryperplasi 8520/2 Lobular carcinoma in silu h Classic lobular carcinoma in Florid lobular carcinoma in 8519/2 Lobular carcinoma in silu h	th Invasion Neuroendocrine neoplasms arcinoma with Invasion 8240(3) Neuroendocrine tumour NOS 8240(3) Neuroendocrine tumour, grade 1 8249(3) Neuroendocrine tumour, grade 2 8248(3) Neuroendocrine arcinoma, NOS 8248(3) Neuroendocrine carcinoma, small cell a in situ 8013(3) Neuroendocrine carcinoma, large cell



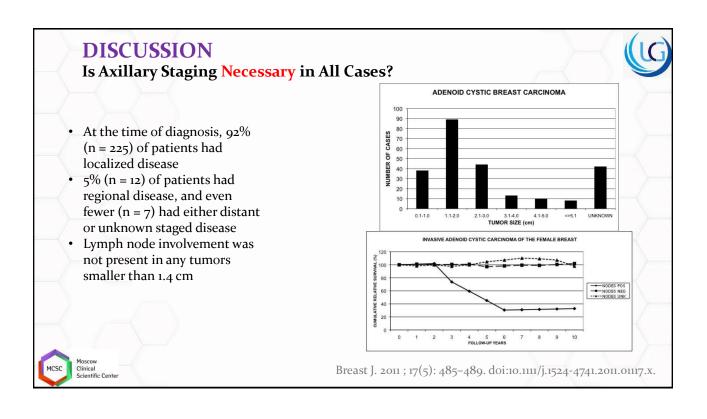
DISCUSSION Is adjuvant chemotherapy necessary?

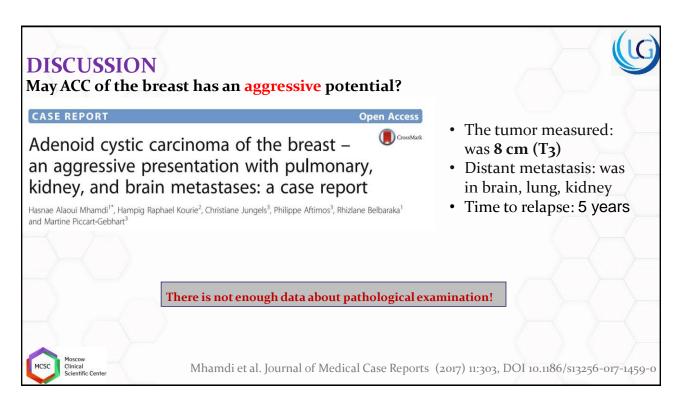
• Conclusion of retrospective study in China: AdCCs all patients (N=16) were not responsive to chemotherapy

Original Article The effect of first line chemotherapy on adenoid cystic carcinoma of breast

Yang Yang, Zhaoqing Fan, Yingjian He, Yiqiang Liu, Tao Ouyang

Characteristics	ACCs (N=16)	1:4 matched IDCs (N=64)
Age (years)	54.6 (35-77)	58.2 (40-78)
<50	7 (43.7%)	28 (43.7%)
≥50	9 (56.3%)	36 (56.3%)
Tumor size	2.3 (1.2-5.7)	2.5 (1.5-5.4)
T1	7 (43.7%)	28 (43.7%)
T2	8 (50%)	32 (50%)
ТЗ	1 (6.3%)	4 (6.3%)
ER		
Negative	16 (100%)	64 (100%)
PR		
Negative	16 (100%)	64 (100%)
HER2		
Negative	16 (100%)	64 (100%)
LN		
Positive	2 (12.5%)	8 (12.5%)
Negative	14 (87.5%)	56 (87.5%)
Chemotherapy regimen		
4 cycles CEF3w followed by 4 cycles Tq1w	16 (100%)	64 (100%)

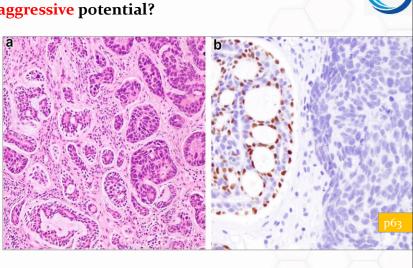




DISCUSSION May ACC of the breast has an aggressive potential? High-Grade Transformation

- HGT is the preferred terminology (over dedifferentiation) for progression of a (usually) lower grade carcinoma with conventional morphology into a pleomorphic high-grade carcinoma
- Tumors for which this phenomenon is well characterized include AdCC
- The same phenomenon can occur in AdCC of the breast

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Head and Neck Pathol DOI 10.1007/s12105-017-0795-0 Am J Surg Pathol, 2007 Nov;31(11):1683-94.

