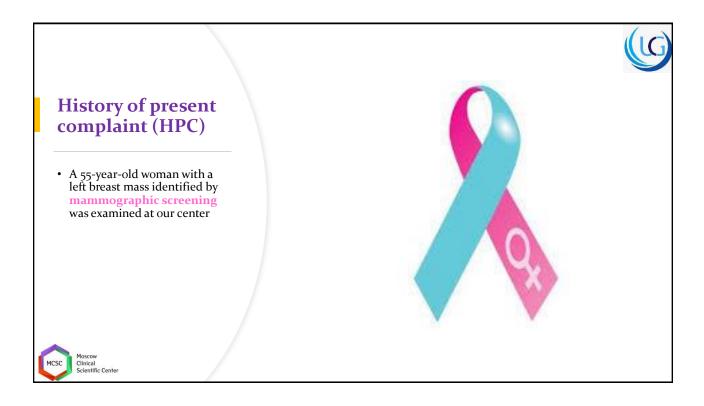
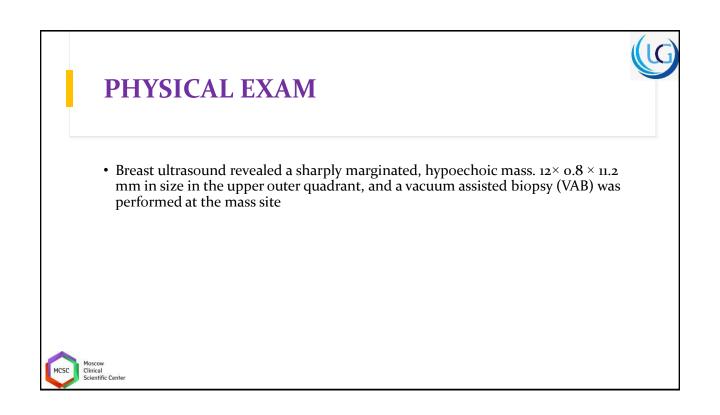


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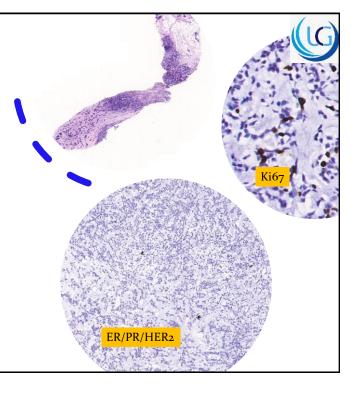






## INITIAL INVESTIGATION

- 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



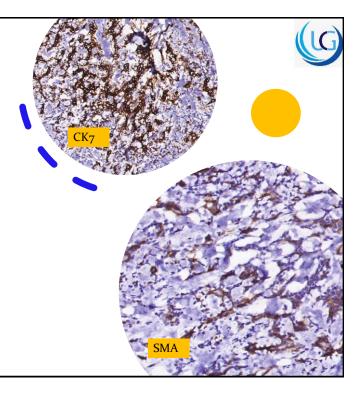


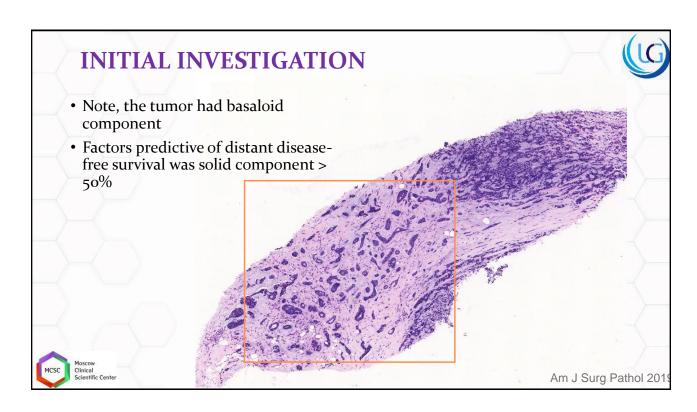
## INITIAL INVESTIGATION

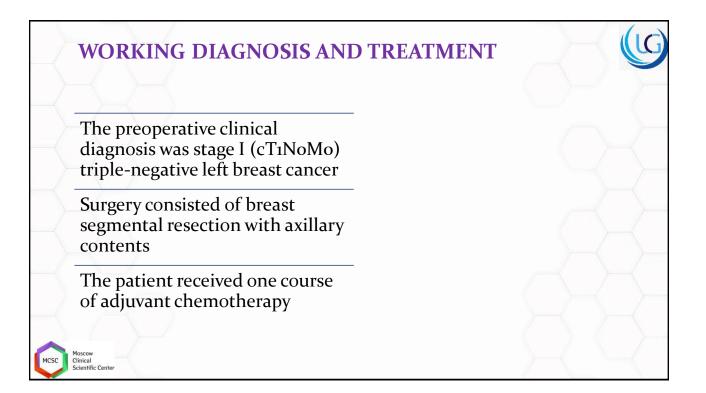
- biphasic with ductal and myoepithelial differentiation
- CK7 +

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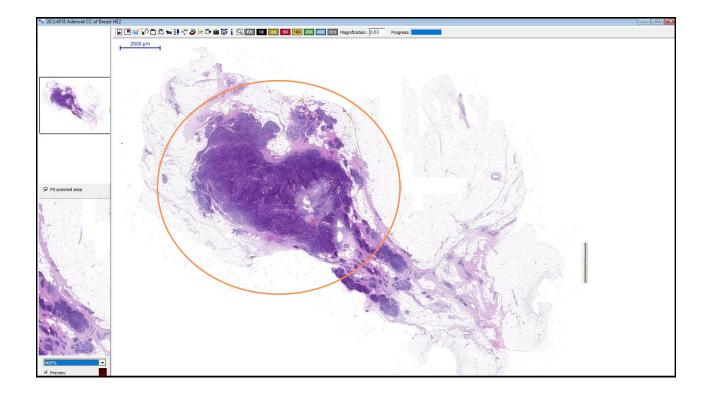
• Myoepithelial markers +

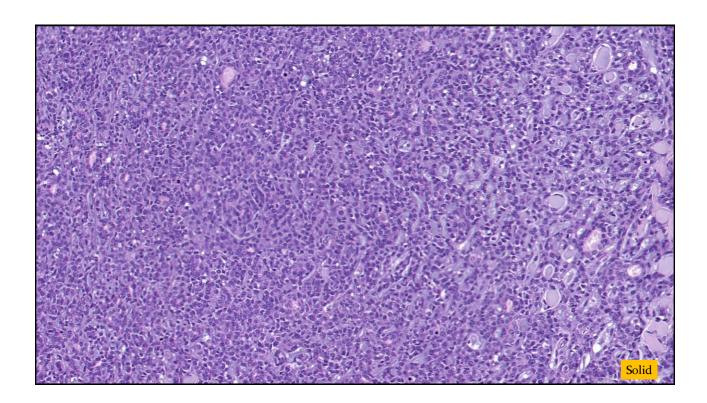


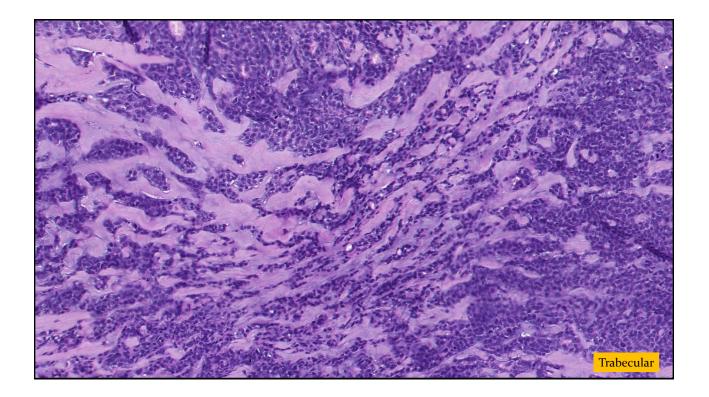


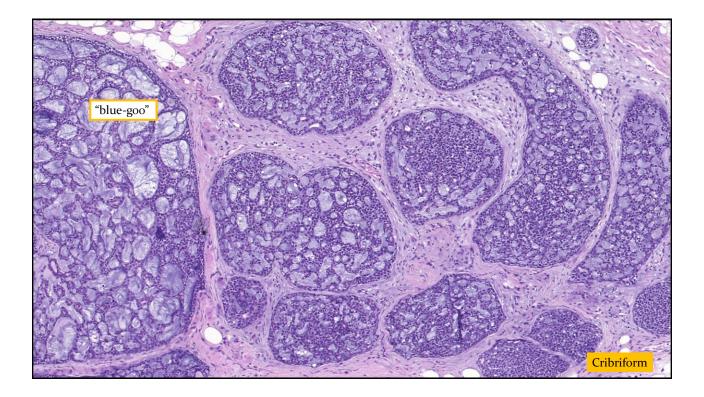


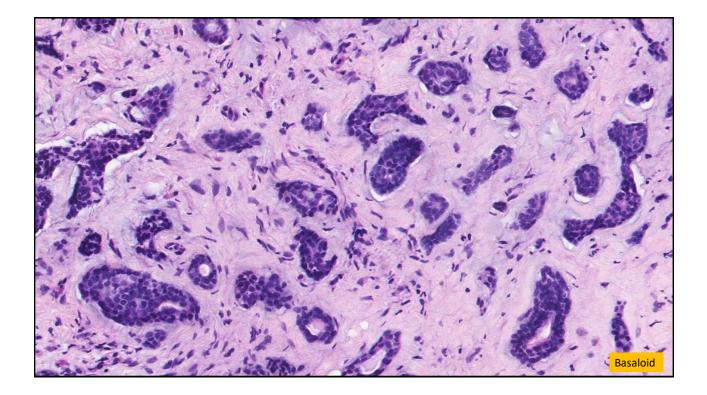
# PATHOLOGICAL EXAMINATION The specimen of lumpectomy was sent within an hour to a pathology laboratory Used multiple ink colors Size of the tumor: 1.3xo.8x1 cm Distance to near margins: 5 mm 12 lymph nodes founded

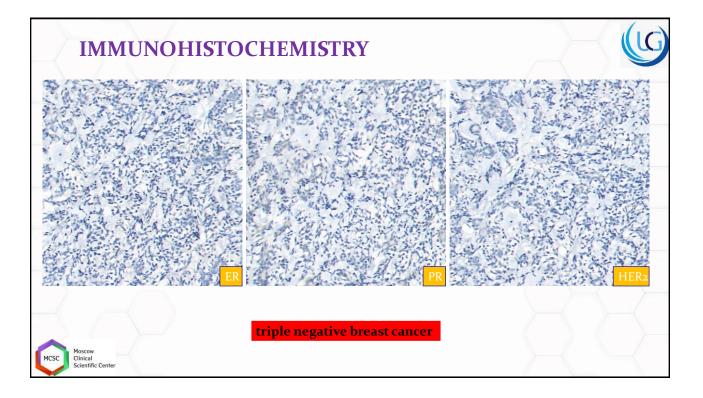


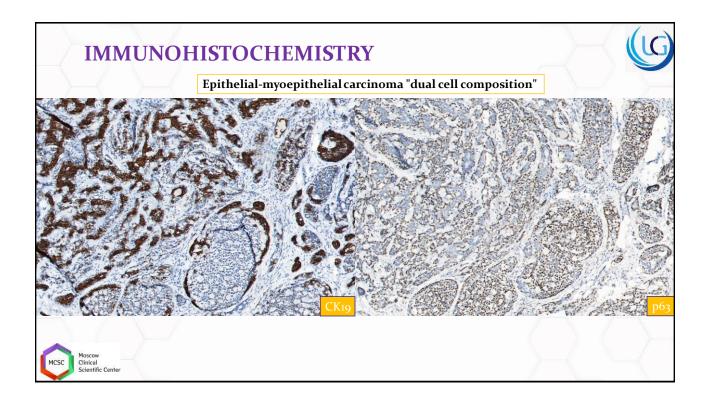


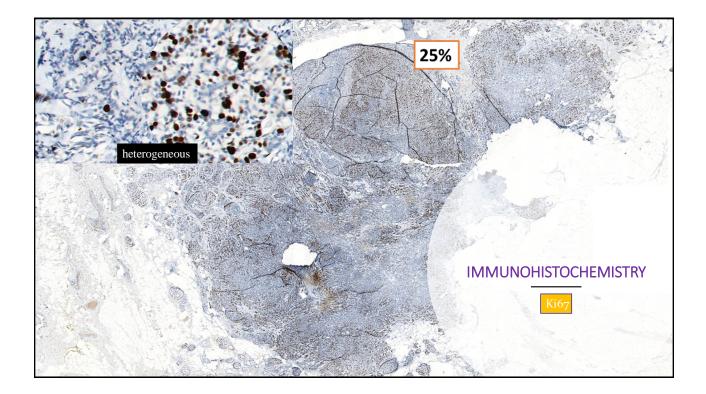


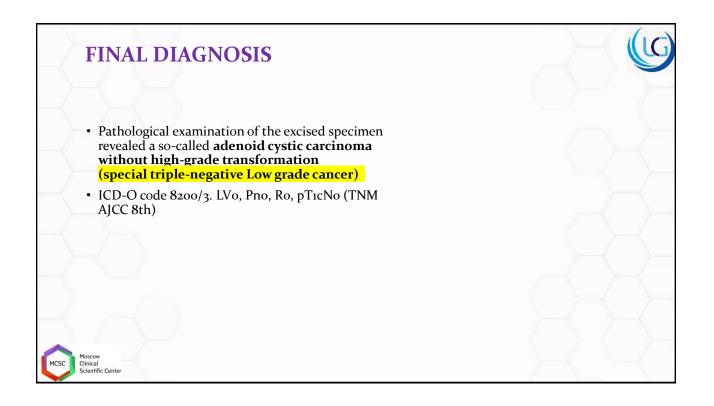




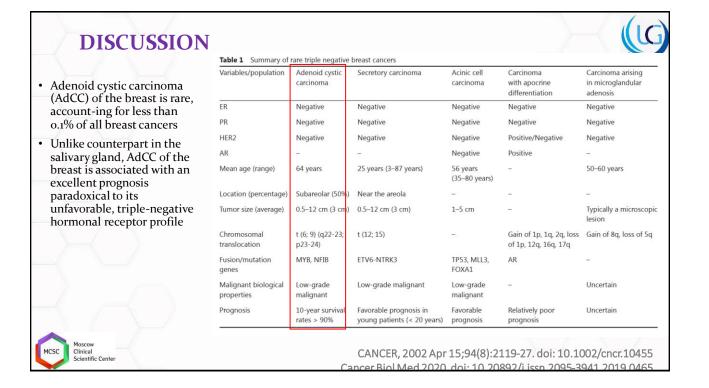








WHO classification	n of epithelial tumours of the breast
Benign epithelial proliferations and f Usual ductal hyperplasia Columnar cell lesions, inclu- Atypical ductal hyperplasia Actenosis and benign scierosing lesi Scierosing adenosis B401/0 Apoorine adenoma Microglandular adenosis Radial scar / complex 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



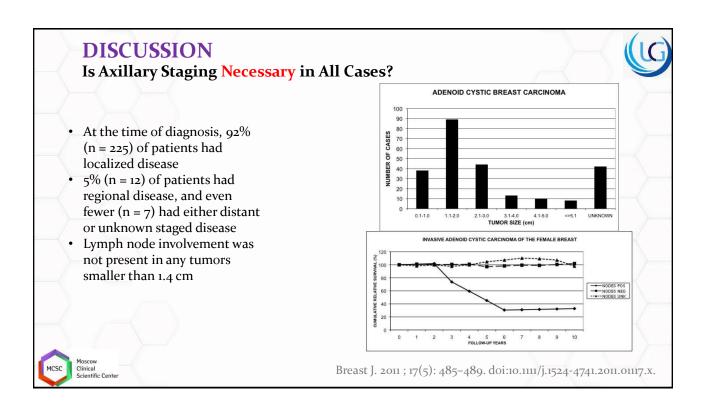
### **DISCUSSION** Is adjuvant chemotherapy necessary?

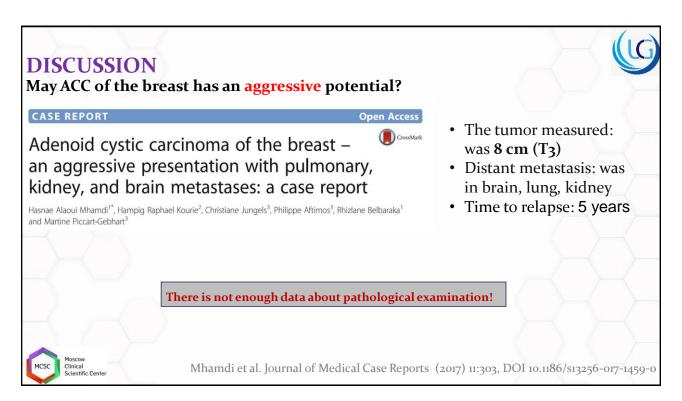
• Conclusion of retrospective study in China: AdCCs all patients (N=16) were not responsive to chemotherapy

#### 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%)

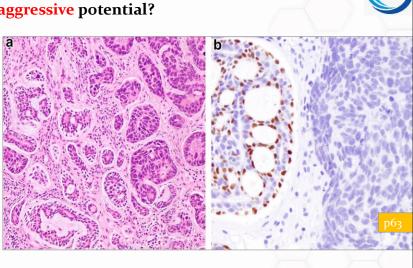




#### DISCUSSION May ACC of the breast has an aggressive potential? High-Grade Transformation

- 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.

