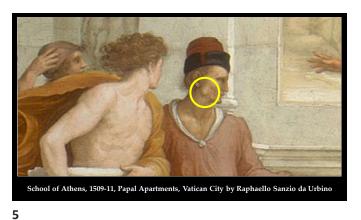
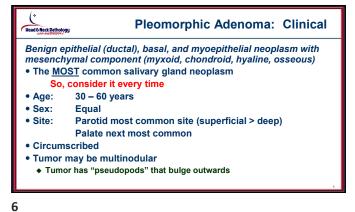


Head & Neck Pathology Immunohistochemistry CK 5/6 S100 p63 CK 14 SOX 10 SMA GFAP HMB 45 Other Myoepithelioma/ thelial carcinoma Р Р Р Р Р Р Р Р Р Р Ν м ы М м BI Ν Pleomorphic adenoma P P N N Oncocytoma N N N Ν Ν Ν N Ν N N N alated duct adenoma Ν N N Ν N DOG1 N N Smooth muscle tumor N N Ν Ν Desmin N N N <mark>P P R</mark> N N P N N ripheral nerve sheath tumor N N Ν Ν N CD117, Syn, NSI atal myxoid chondrosarcoma N N N Ν N Ν N Ν ous cell carcinoma Ν Ν Mucosal melanoma N N N N N Ν N Ν Р Melan-A CD138; CD79/ κ οr λ R N N Ν Plasmacytoma N N Ν Ν Ν Ν Ν м М Adenoid cystic carcinoma M М м м M N CD117 elial-myoepithelial carcinoma BI М Hyalinizing clear cell carcinoma Ν Ν N Ν N Ν N BI: bip ve; M: myoe P: po ive; N: nega V: 1 R: rare 3

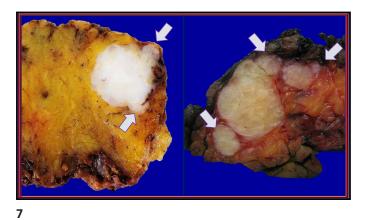
Differential for Mygenithelial-Rich L Gland Tu 4

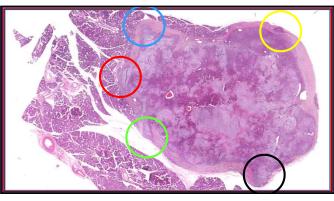




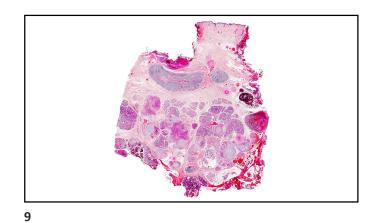
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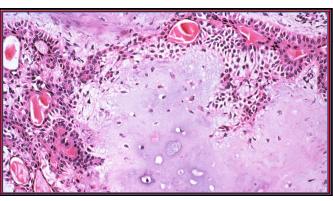


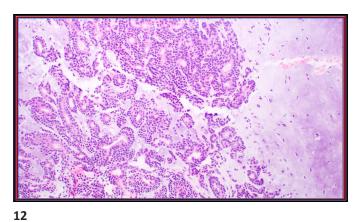
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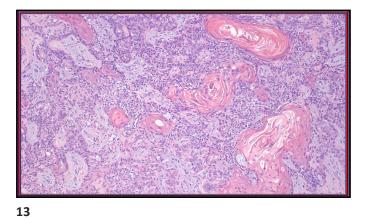
Head 5 Neck Bathology	Pleomorphic Adenoma
Remarkably variable histolog	
 Solid, tubular, trabecular, cyst 	lic
 Cells literally "melt" into the c 	hondromyxoid background stroma
 Stroma may be heavily fibrotic 	c/hyalinized
 Spindled, epithelioid, glandula 	ar, & plasmacytoid cells
 Metaplasias common: Squame 	ous > fatty > apocrine > sebaceous
Positive: CK-pan, CK7, p40,	, p63, SOX10, S100 protein,
(Biphasic) GFAP, CK14, SMA	A, SMMHC, calponin
PLAG1 or HMGA2 rearranger	ments
	10

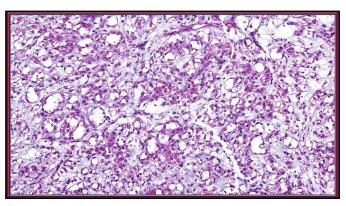
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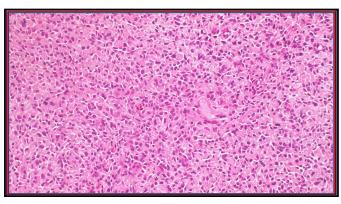




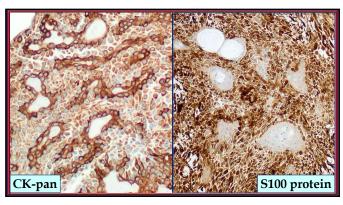




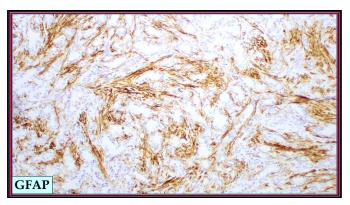
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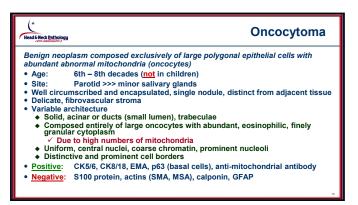


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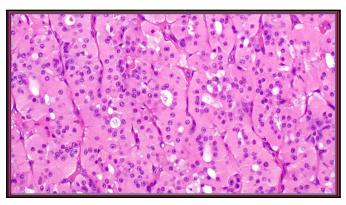
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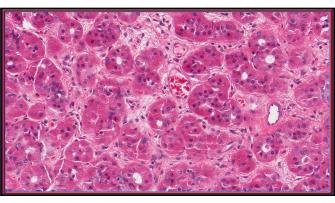




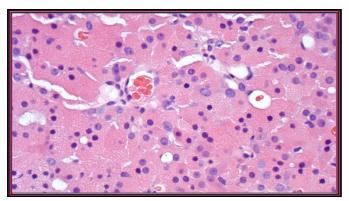
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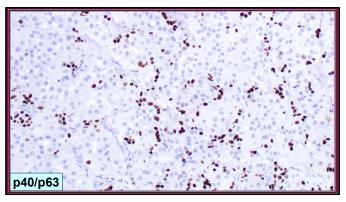
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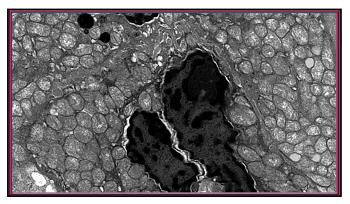
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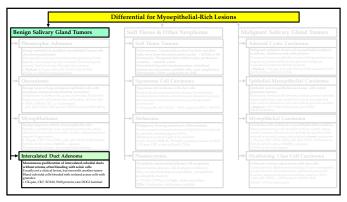


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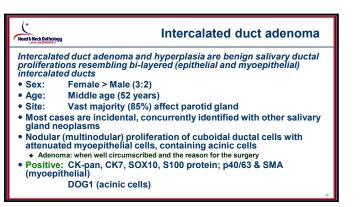
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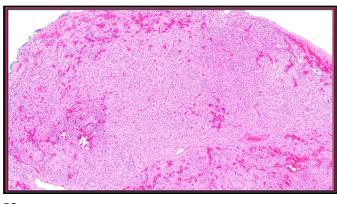




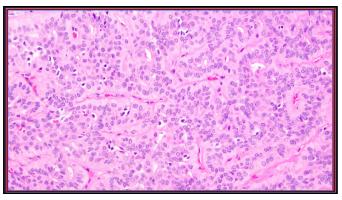
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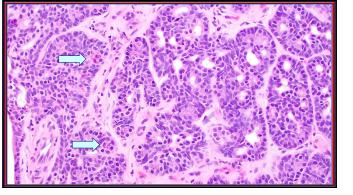




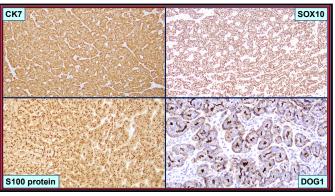
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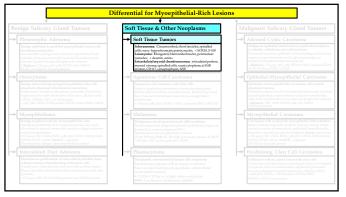




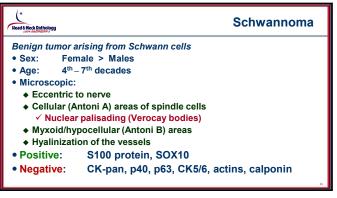
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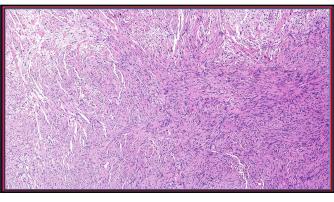




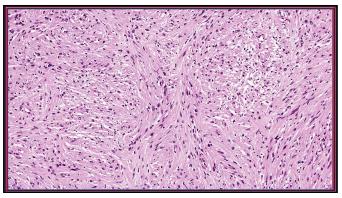
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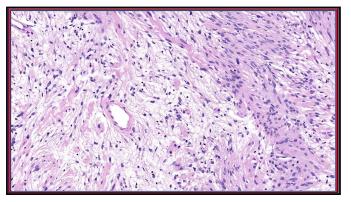




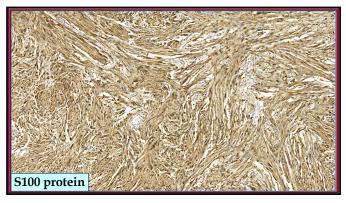
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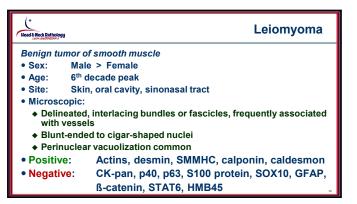




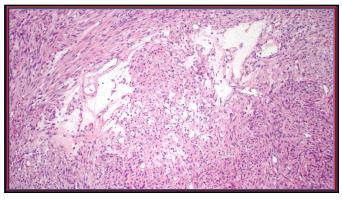




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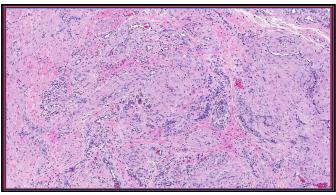


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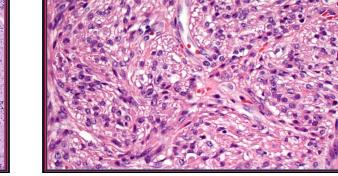


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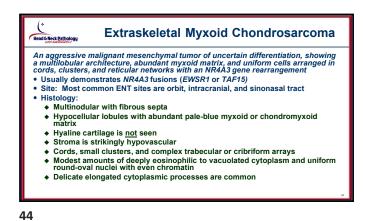




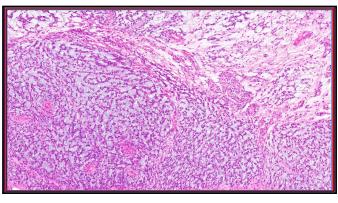
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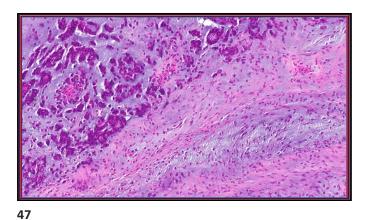
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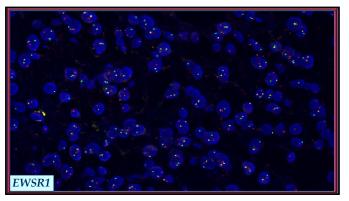


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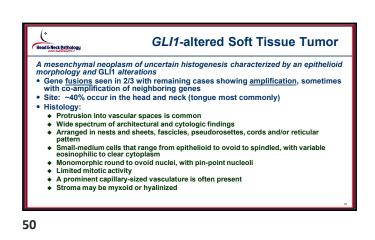


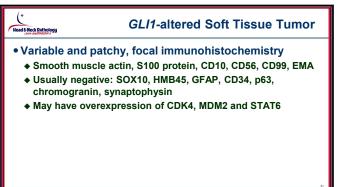
Extraskeletal Myxoid Chondrosarcoma
No specific immunohistochemistry
± S100 protein, CD117, synaptophysin, NSE
Rhabdoid tumors show loss of INI1
Negative: GFAP, muscle markers



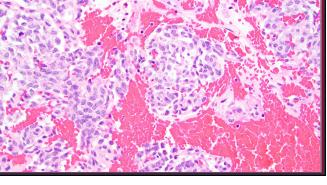


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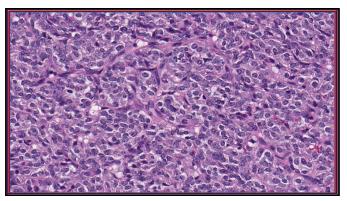




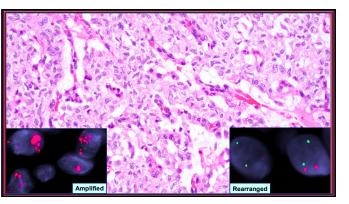


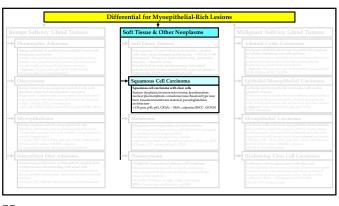


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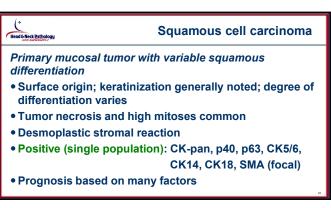




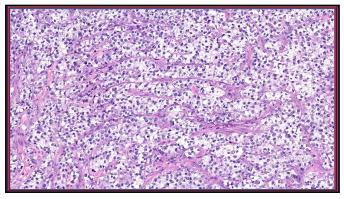




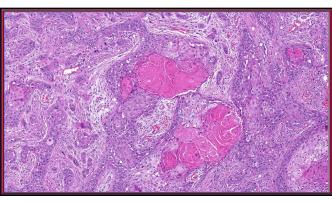




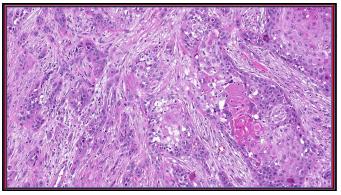




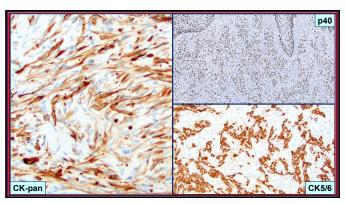




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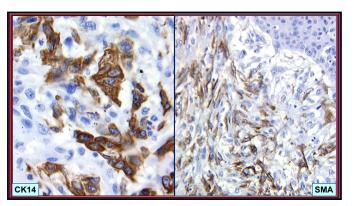




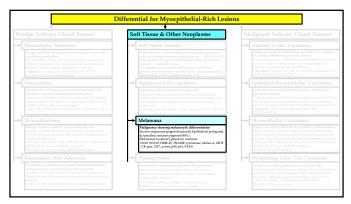


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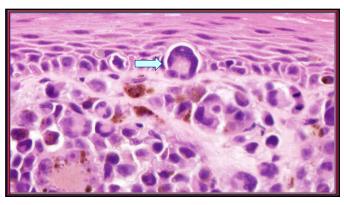




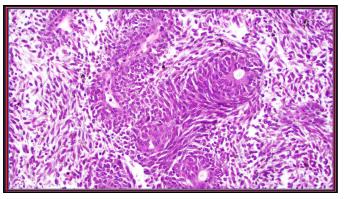
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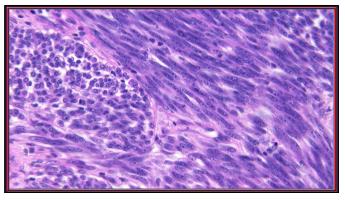
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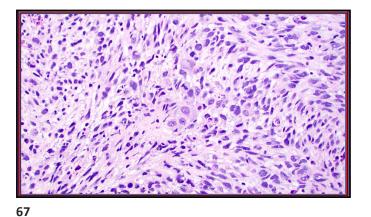


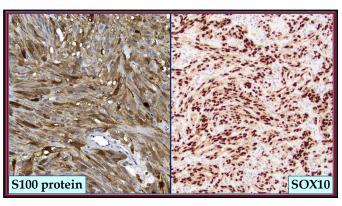
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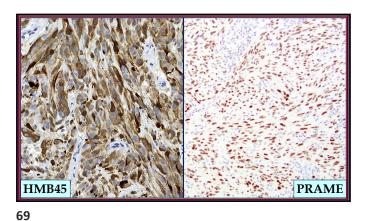
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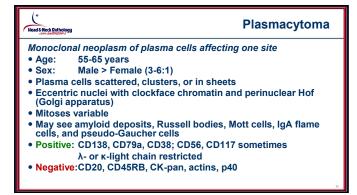




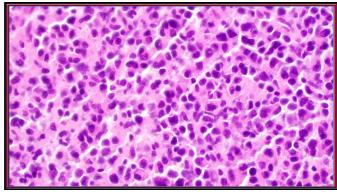
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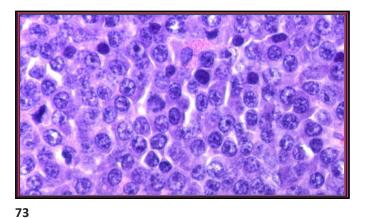


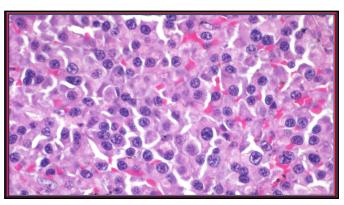
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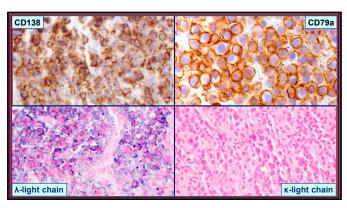




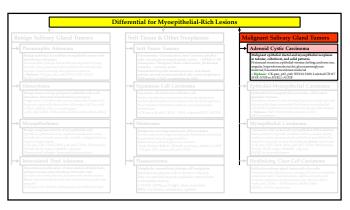




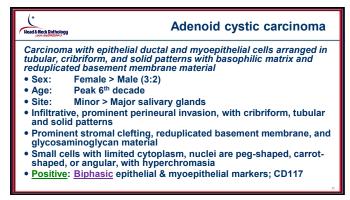
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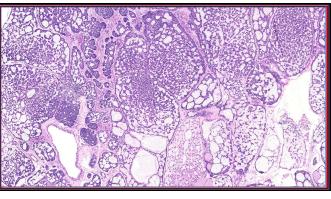


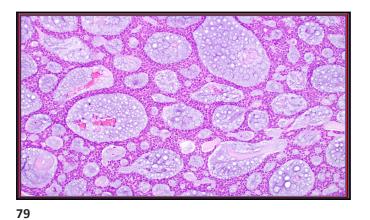


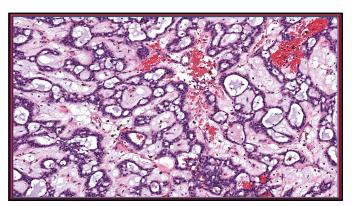
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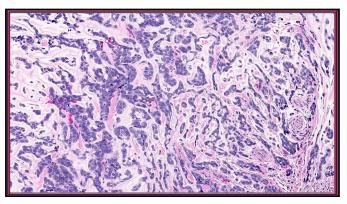




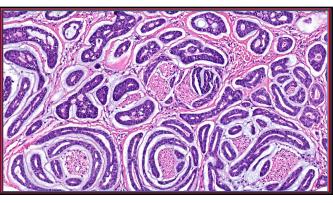




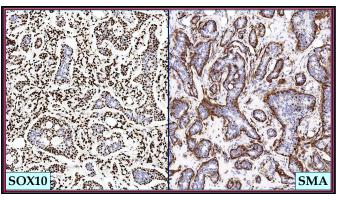
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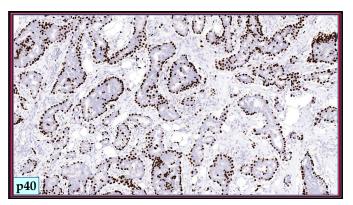
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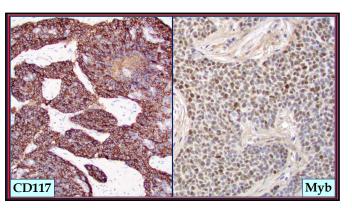
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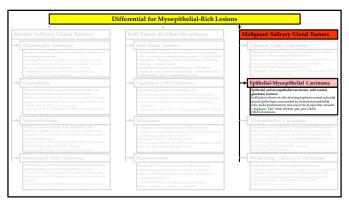
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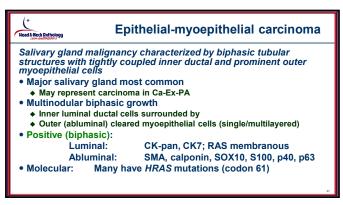
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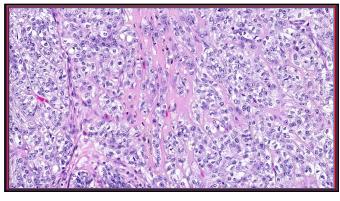




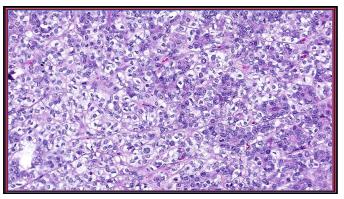
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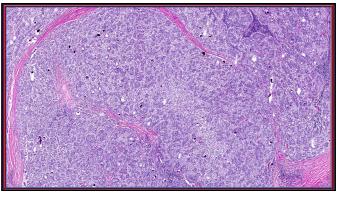
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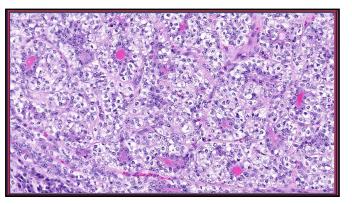
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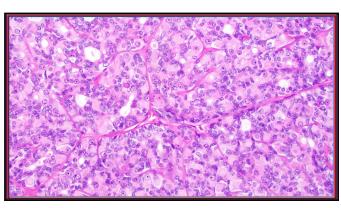




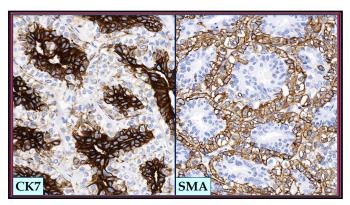
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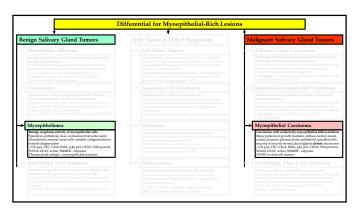
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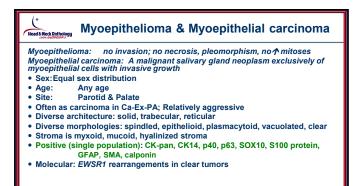
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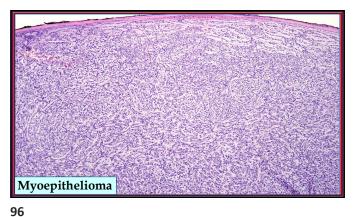


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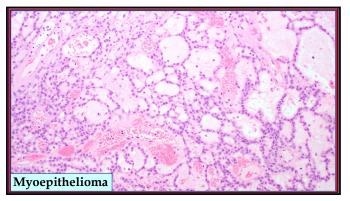


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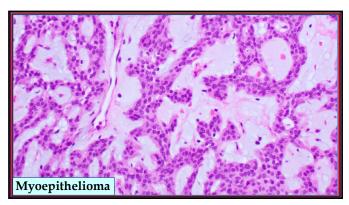




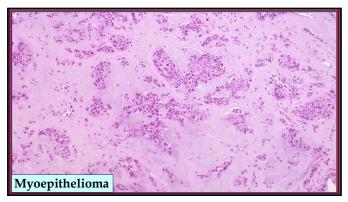




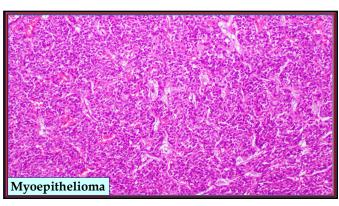




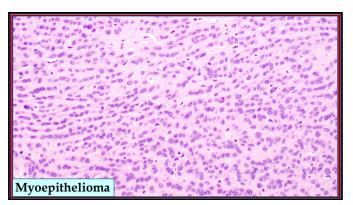
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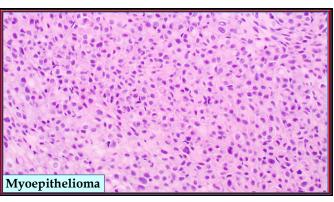
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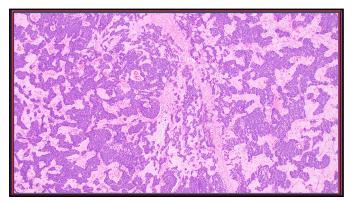
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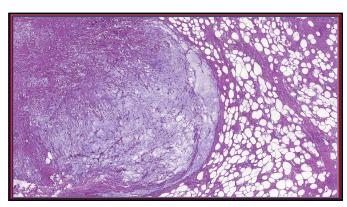




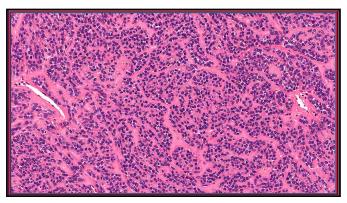




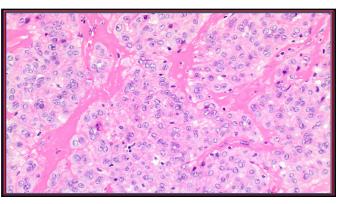




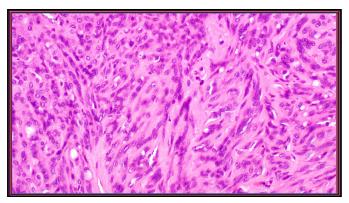
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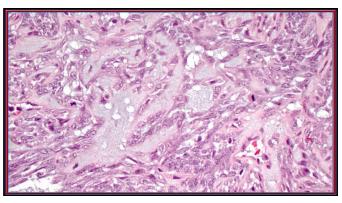
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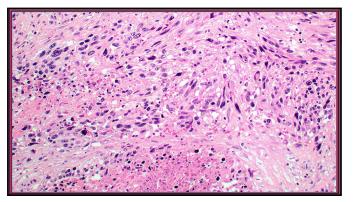
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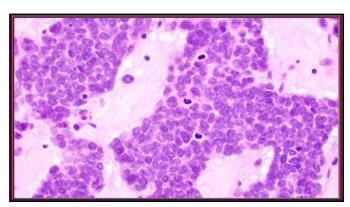




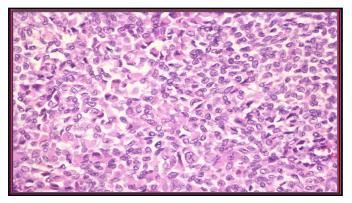
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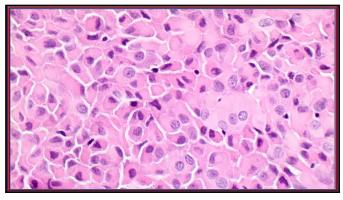


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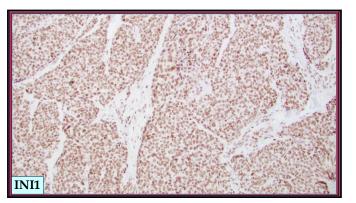
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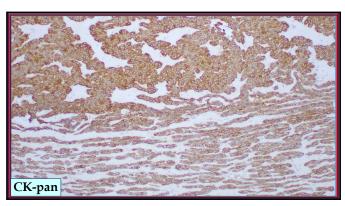
112

Head & Neck Pathology	Immunohistochemistry											
	CK- pan	p40	p63	CK 5/6	СК 14	S100 protein	SOX 10	SMA	Cal- ponin	GFAP	HMB 45	Other
Myoepithelioma/ Myoepithelial carcinoma	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	N	SINGLE
Pleomorphic adenoma	BI	М	М	м	м	BI	BI	М	М	М	Ν	
Oncocytoma	Р	Ν	Ν	Ν	Ν	N	Ν	Ν	N	N	Ν	
Intercalated duct adenoma	Р	N	Ν	Ν	Ν	Р	Р	Ν	N	N	Ν	DOG1
Smooth muscle tumor	Ν	Ν	Ν	Ν	Ν	N	N	Р	Р	Ν	Ν	DES
Peripheral nerve sheath tumor	Ν	Ν	Ν	Ν	Ν	Р	Р	R	N	N	Ν	
Extraskeletal myxoid chondrosarcoma	Ν	Ν	Ν	Ν	Ν	Р	N	N	Ν	Ν	Ν	CD117, Syn, NSE
Squamous cell carcinoma	Р	Р	Р	Р	Ν	N	Ν	Ν	Ν	N	N	
Mucosal melanoma	Ν	Ν	Ν	Ν	Ν	Р	Р	Ν	Ν	Ν	Р	Melan-A
Plasmacytoma	N	N	R	N	N	N	N	N	N	N	N	CD138; CD79A; κ or λ
Adenoid cystic carcinoma	BI	М	М	м	м	Р	Р	М	М	М	Ν	CD117
Epithelial-myoepithelial carcinoma	BI	М	м	м	м	м	м	м	м	м	Ν	
Hyalinizing clear cell carcinoma	Р	Р	Р	Р	Ν	N	Ν	N	Ν	Ν	Ν	
Hyalinizing clear cell carcinoma	_	P iphasic;		P ositive;	N N: neg			N helial/bas		N variable;	N R: rare	

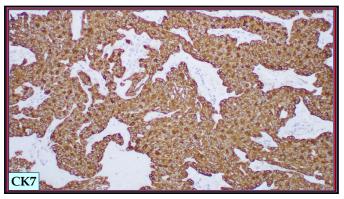




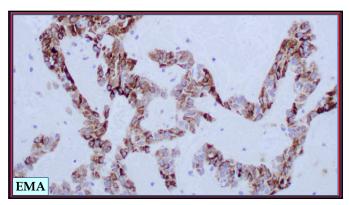
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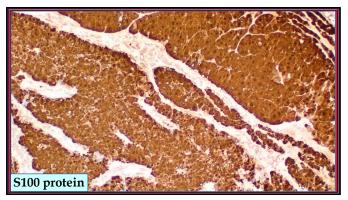
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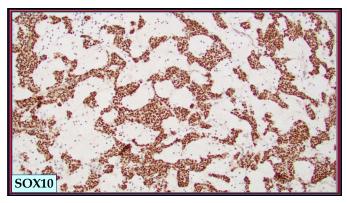
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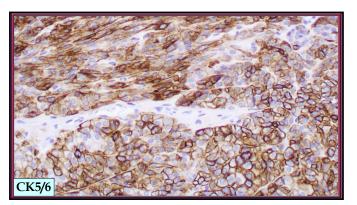
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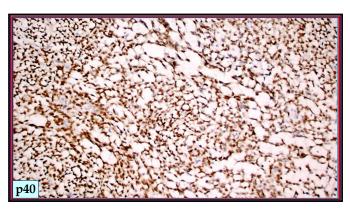
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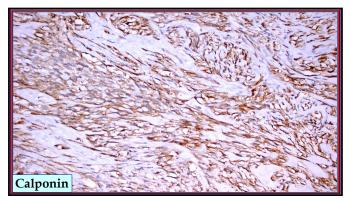
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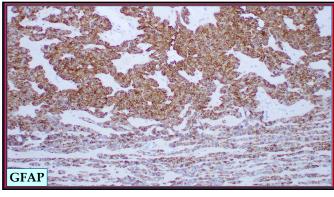
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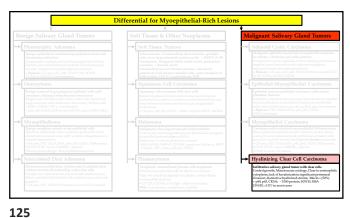
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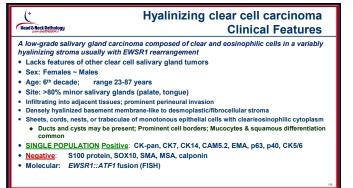


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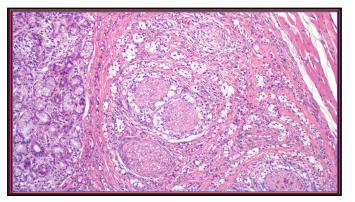
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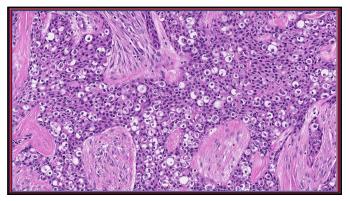




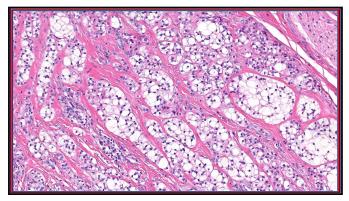
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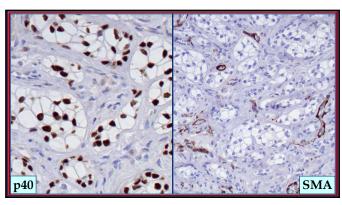




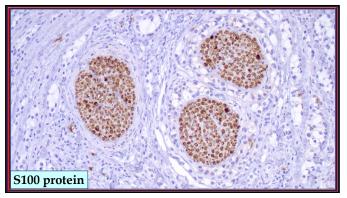
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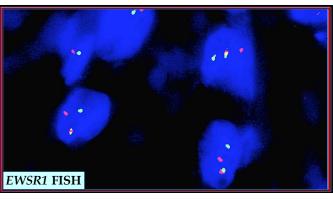
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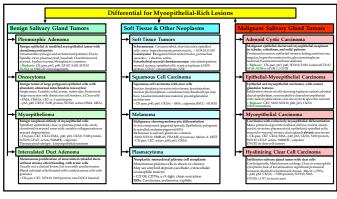
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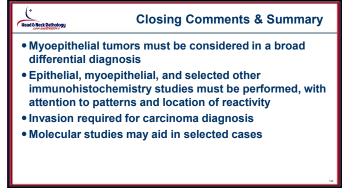


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Head & Neck Pathology	Immunohistochemistry											
	CK- pan	p40	p63	CK 5/6	СК 14	S100 protein	SOX 10	SMA	Cal- ponin	GFAP	HMB 45	Other
Myoepithelioma/ Myoepithelial carcinoma	Р	Р	Ρ	Ρ	Р	Р	Ρ	Ρ	Ρ	Ρ	N	
Pleomorphic adenoma	BI	м	м	М	М	BI	BI	М	м	м	Ν	
Oncocytoma	Р	N	Ν	Ν	Ν	N	N	Ν	N	N	Ν	
Intercalated duct adenoma	Р	N	Ν	Ν	Ν	Р	Р	Ν	Ν	N	Ν	DOG1
Smooth muscle tumor	Ν	N	Ν	Ν	Ν	N	N	Р	Р	N	Ν	Desmin
Peripheral nerve sheath tumor	Ν	Ν	Ν	Ν	Ν	Р	Р	R	N	N	Ν	
Extraskeletal myxoid chondrosarcoma	Ν	Ν	Ν	Ν	Ν	Р	N	Ν	N	N	Ν	CD117, Syn, NS
Squamous cell carcinoma	Р	Р	Р	Р	Ν	N	N	Ν	N	N	Ν	
Mucosal melanoma	Ν	N	Ν	Ν	Ν	Р	Р	Ν	Ν	N	Р	Melan-A
Plasmacytoma	N	N	R	N	N	N	N	N	N	N	N	CD138; CD79A κ or λ
Adenoid cystic carcinoma	BI	м	М	М	М	Р	Р	М	М	м	Ν	CD117
Epithelial-myoepithelial carcinoma	BI	м	М	м	м	м	М	м	м	м	Ν	
Hyalinizing clear cell carcinoma	Р	Р	Р	Р	Ν	N	Ν	N	Ν	Ν	Ν	
	BI: bi	phasic;	P: po	sitive;	N: ne	gative; N	M: myoepithelial/basal;		al; V:v	variable;	R: rare	

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