

Breast Cancer in Young Women: A Case Study

- Maria is a 28 y.o. Hispanic woman who noticed a mass in left breast while showering 8 months ago. Over that period, the mass increased in size and became tender and painful.
- She then had a left mammogram that showed a 5.7 heterogenous shadowing mass with irregular margins with a lobulated lymph node with thickened cortex measuring up to 7 mm.
- Left breast and lymph node biopsy revealed Invasive Ductal Carcioma, grade 3 of 3, ER 70% PR 35% and Her2 3+ in the breast and axilla lymph node.



REPRODUCTIVE HISTORY: menarche at age 13. No parity. Currently using a progesterone implant in her arm for contraception x 6 years

PAST MEDICAL HISTORY: Hyperlipidemia.

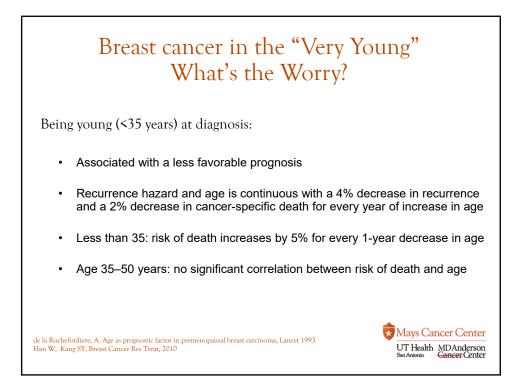
PAST SURGICAL HISTORY: rhinoplasty.

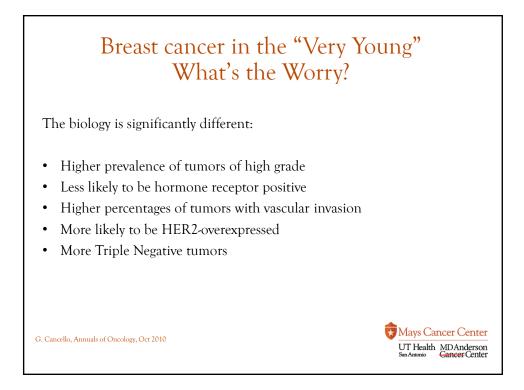
SOCIAL HISTORY: Never smoked. No alcohol or Illicit drug use

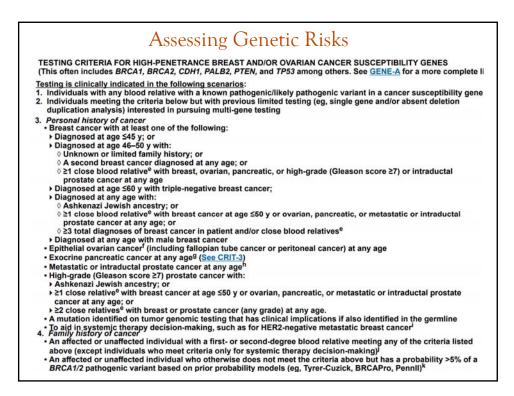
FAMILY HISTORY: Breast Cancer in her aunt, age 40

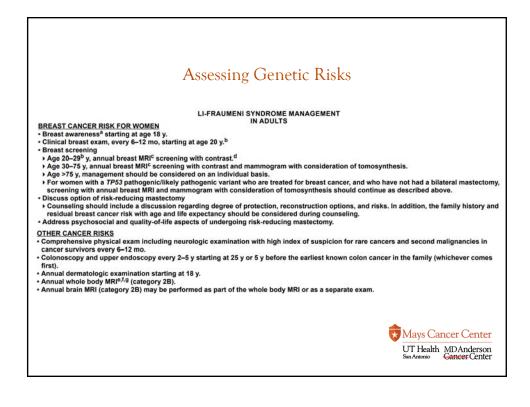


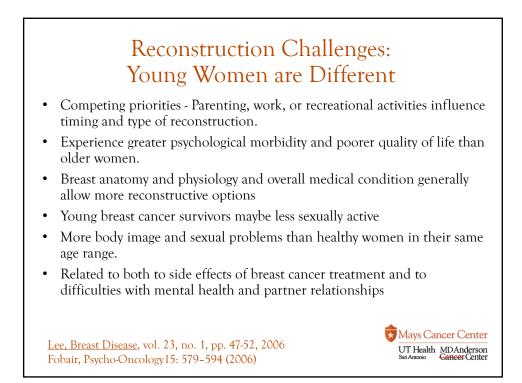
Mays Cancer Center UT Health MDAnderson

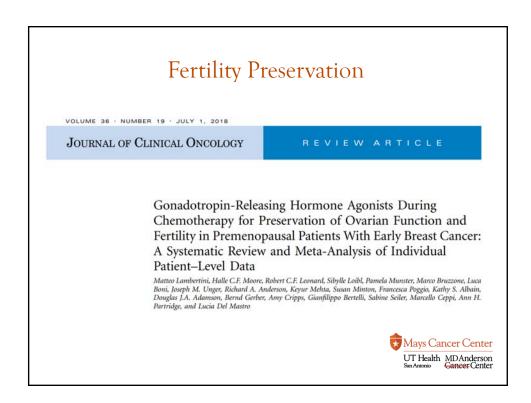


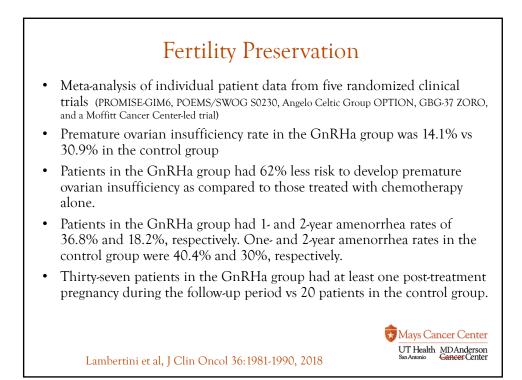


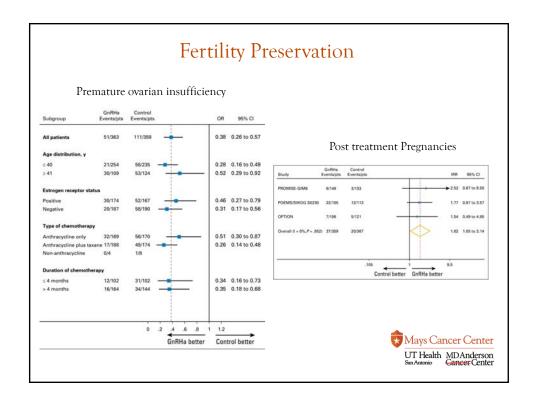


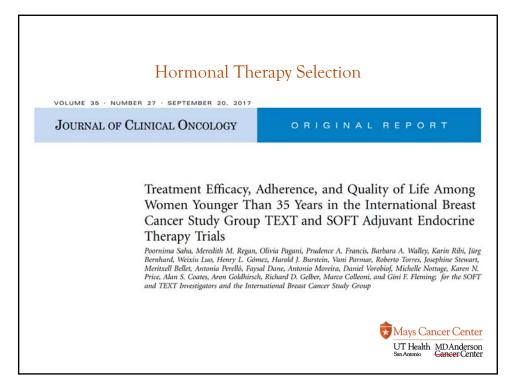


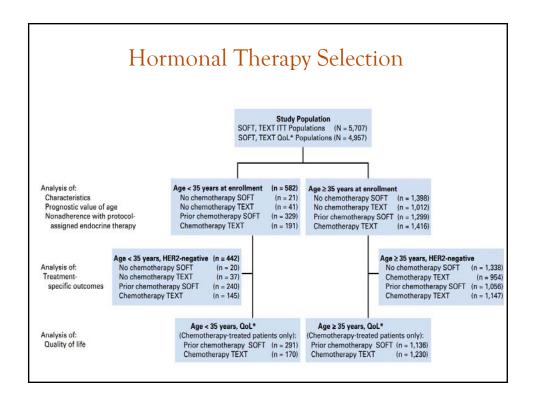


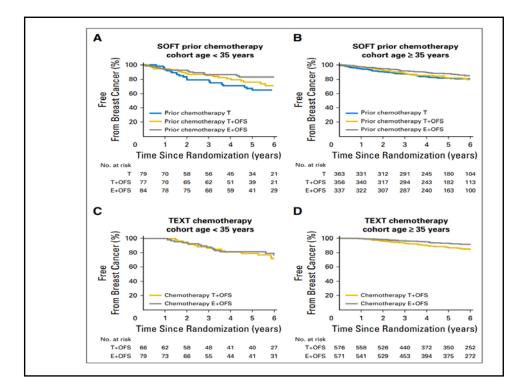


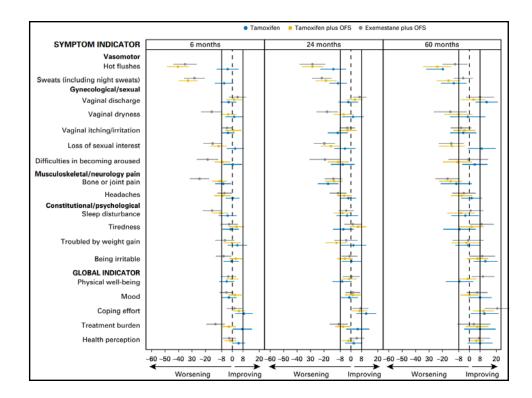


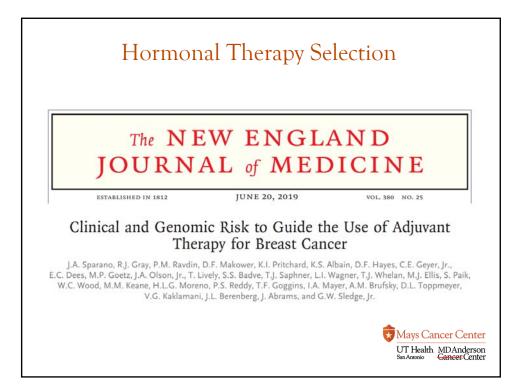


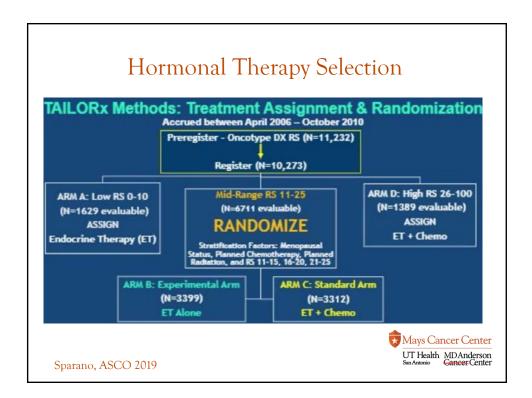


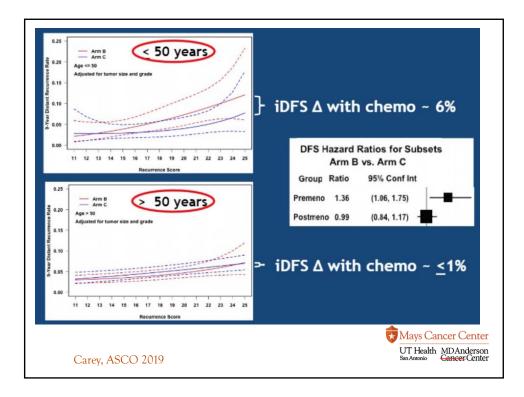












Hormonal Therapy Selection					
Subgroup	No. of Patients	No. of Events	Hazard Ratio for Recurrence, Second Primary Cancer, or Death (95% CI)	No. of Distant Recurrences	Hazard Ratio for Distant Recurrence (95% CI)
All patients	9427				
Endocrine therapy					
Low recurrence score (0-10)	1572	176		30	
Intermediate recurrence score (11-25)	3282	422		127	
Chemoendocrine therapy					_
Intermediate recurrence score (11-25)	3214	389		113	
High recurrence score (26-100)	1359	184		96	
>50 Yr of age	6469				
Endocrine therapy					
Low recurrence score (0-10)	1160	135		23	
Intermediate recurrence score (11-25)	2182	273		74	
Chemoendocrine therapy					
Intermediate recurrence score (11-25)	2171	292		79	
High recurrence score (26-100)	956	133		65	
≤50 Yr of age	2958				
Endocrine therapy					
Low recurrence score (0–10)	412	41		7	
Intermediate recurrence score (11-25)	1100	149	+=-	53	
Chemoendocrine therapy					
Intermediate recurrence score (11-25)	1043	97		34	
High recurrence score (26-100)	403	51		31	
			0.25 0.50 1.00 2.00 4.00		0 1.00 2.00 4.00 8.0

