Primary Tumor Resection in De Novo Stage IV Breast Cancer Patients: Single Academic Center Experience

THE UNIVERSITY OF KANSAS

Clare Humphrey MS2, Amanda Amin MD, Christa Balanoff MD, Jamie Wagner DO, Kelsey Larson MD University of Kansas School of Medicine; Department of General Surgery, Division of Breast Surgery University of Kansas Medical Center, Kansas City KS

CANCER CENTER

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Objectiv

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Method

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Results

- 265 de

ground		<u>Results – Tumor & Treatment Data (Table 2)</u>		
		• Systemic therapy was first line of treatment in 66.6% (n=16)		
et und unified j baiget j in staget i et euse euneet (2 e) is eausiae		• Surgery was more commonly performed for treatment intent		
\mathbf{c}				
has been a topic of debate as recent prospective publications		(n=23, 85.1%) rather than palliation $(n=4, 14.8%)$		
cate potential survival benefit with breast/axillary surgery in		• Mastectomy was most common (n=21, 85.1%)		
ct Stage IV patients.		• 30d mortality (0%) & mor	rbidity (n=1, 3.7%) were low	
		Table 2: Tumor & Treatment Data for Pts with Primary Site Surgery		
tives		Tumor Size (cm)	6.2 +/- 3.7	
ssess the current practice & out	tcomes of primary site	T stage	0.2 17 5.7	
ast/axillary) surgery in de novo	stage IV BC patients at an	T1	3 (11.1%)	
		T2	7 (25.9%)	
emic medical center.		Т3	7 (25.9%)	
		T4	10 (37.0%)	
<u>ods</u>		N stage		
		NO	10 (37.0%)	
nen >18 years, single academic center, with de novo stage IV		N1 N2	12 (44.4%)	
diagnosed from 2011-2016	d from 2011-2016		1 (3.7%)	
ospective chart review.		N3 Number sites with metastatic disease	4 (14.8%)	
ollow-up, patients with stable disease versus those who had		1	10 (37.0%)	
		2-3	12 (44.4%)	
ity were compared for differences.		4-5	5 (18.5%)	
		Metastatic Sites		
ts - Demographics (Table 1)		Bone	22 (81.5%)	
de novo Stage IV BC patients were identified		Liver	11 (40.7%)	
• 10.2% (n=27) had primary site surgery		Lung	9 (33.3%)	
× / 1 2		CNS	4 (14.8%)	
Table 1: Pts with Primary Site Surgery	N=27	Visceral	1 (3.7%)	
Age (years)	56 +/- 4	1 st Cancer Treatment		
Race	$\mathbf{O}\mathbf{O}$	Systemic Therapy	18 (66.6%)	
Caucasian African American	23 (85.1%) 4 (14.8%)	Primary Breast/axillary surgery	9 (33.3%)	
		Deculta Follow up Dote (Tab)		
Insurance Status Medicare	13 (48.1%)	<u>Results – Follow-up Data (Table 3)</u>		
Medicaid	2(7.4%)	• Average follow-up was 40±9 months.		
Private	$\begin{vmatrix} 2 & (1.170) \\ 12 & (44.4\%) \end{vmatrix}$	• 59.2% (n=16) were stabl	e	
Genetic Testing Status		• 33.3% (n=9) had mortali		
Positive	3 (11.1%)		•	
Negative	7 (25.9%)	• 7.4% (n=2) had systemic progression		
Not Tested	17 (62.9%)			



Results – Follow-up Data (Table 3, cont')

- .6% (n=16) nent intent
- No significant differences were identified between stable versus mortality patients, including order of treatment.
- There was no difference in goal of surgery for stable versus mortality patients (p=0.60)

Table 3	Stable (n=16)	Mortality (n=9)	p-value
Age	54 +/- 13	61 +/- 15	0.23
Insurance Status			0.22
Private	8 (50%)	2 (22.2%)	
Medicare	8 (50%)	5 (55.5%)	
Medicaid	0 (0%)	2 (22.2%)	
Tumor size (cm)	6.1 +/- 3.9	6.4 +/- 3.9	0.85
T stage			0.7
T1	2 (12.5%)	1 (11.1%)	
T2	3 (18.8%)	3 (33.3%)	
Т3	5 (31.3%)	1 (11.1%)	
T4	6 (37.5%)	4 (44.4%)	
N stage			0.4
NO	7 (43.8%)	2 (22.2%)	
N1	5 (31.3%)	6 (66.7%)	
N2	1 (6.3%)	0 (0%)	
N3	3 (18.8%)	1 (11.1%)	
# Metastatic Sites			0.26
1	7 (43.8%)	2 (22.2%)	
2-3	7 (43.8%)	5 (55.5%)	
4-5	2 (12.5%)	2 (22.2%)	
1 st Treatment			1.0
Systemic	10 (62.%)	6 (66.7%)	
Surgery	6 (37.5%)	3 (33.3%)	
Follow-up (mo.)	47 +/- 17	29 +/- 20	0.02*

Discussion

- Few de novo stage IV patients undergo primary site surgery.
 - This illustrates concordance between clinical practice and national guidelines, but discordance with emerging scientific evidence.
- Multidisciplinary development of patient care pathways may allow for balancing national guidelines & scientific evidence to safely identify Stage IV patients likely to benefit from surgery.



Abstract ID: 582162