

Axillary Lymph Node Dissection and Sentinel Lymph Node in Breast Carcinoma

5 years-experience in Hospital Vila Franca de Xira

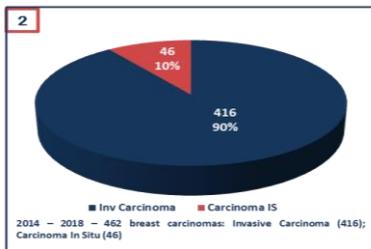
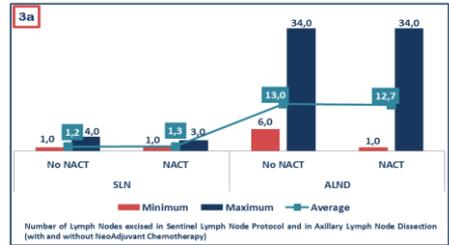
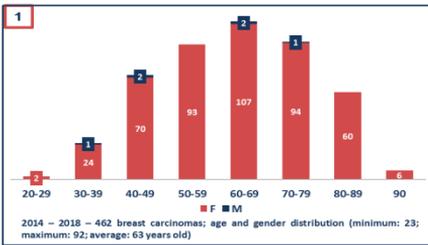
OBJECTIVES

To evaluate axillary lymph node dissections (ALND) in breast carcinomas, with and without sentinel lymph node (SLN) in Hospital Vila Franca de Xira (HVFX), between 2014 and 2018.

METHODS

We evaluate all cases of breast neoplasms submitted to surgical treatment with ALND with and without SLN excision registered in the National Oncology Registry (NOR) between 2014 and 2018.

RESULTS



4	SLN (224)	
	Positive	Negative
Inv Carcinoma	44	155
Carcinoma IS	0	25

Sentinel Lymph Node protocol was performed in 224 cases; 20% were positive, all in Invasive Carcinoma.

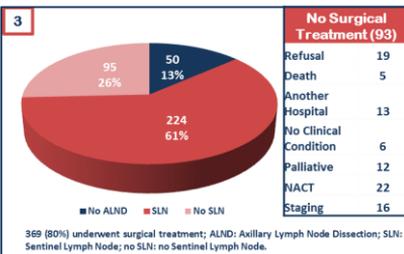
ALND in SLN Negative (6)	
No SLN IOC	3
Micromet	1
Satellite LN (+)	1
IMLN (+)	1

No ALND in SLN Positive (17)	
2 ≥ LN ≥ 5	9
Micromet	3
No Clinical Condition	5

Axillary Lymph Node Dissection ≥ 6 Lymph Nodes

5	SLN (224)		no SLN	
	Positive	Negative		
ALND	Positive	12	1	47
	Negative	15	5	33
no ALND		17	174	15

In 86% (319) of the patients there was Lymph Node Resection: Sentinel Lymph Node Protocol (224) and Axillary Lymph Node Dissection (113). In 15 patients (5%) there were no Sentinel Lymph Node Protocol nor Axillary Lymph Node Dissection, but we found 1 to 5 Lymph Nodes in the Surgical Specimens.



6	SLN (11)		No SLN (65)	
	Positive	Negative		
ALND (61)	Positive	1	0	34
	Negative	0	0	26
No ALND (15)		2	8	5

79 patients underwent Neoadjuvant Chemotherapy (17%). Eleven patients underwent SLN after NACT (cTxND). In 5 patients there were no Sentinel Lymph Node Protocol nor Axillary Lymph Node Dissection, but we found 1 to 5 Lymph Nodes in the Surgical Specimen (3 positive; 2 negative).

CONCLUSIONS

ALND was performed in 31% of the cases with surgical therapy, 35 with SLN. There were metastasis in 44% of cases with positive SLN and concurrent ALND (n=27). SLN was performed in 14% of the NACT cases compared with 88% without NACT. Overall, evaluation of SLN avoided additional ALND in 84% of the cases; this percentage was similar in cases without NACT, being 72% in cases with NACT.