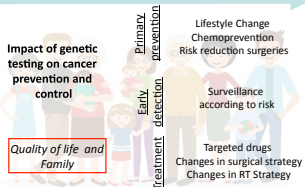


BACKGROUND

The lack of knowledge about hereditary cancer, the small number of genetic counselors and the difficulty of access to genetic testing are barriers to overcome to position **genetic counseling (GC) as a standard of care in Argentina.**



OBJECTIVES

Describe our experience implementing GC as a standard of care for all patients with breast cancer (BC), and propose a new workflow to optimize referral to GC. The aim is to obtain GC and genetic testing prior to the primary treatment.

METHODS

Retrospective analysis of patient undergoing genetic counseling in the breast cancer genetic counseling section (BCGCS) from January 2015 to December 2018. In January 2015, the breast cancer unit established GC as a standard of care on all their patients.



GC TEAM

GENETIC COUNSELOR

Breast Surgeon
(trained in genetic counseling at Argentina NCI)

PSYCHO ONCOLOGIST

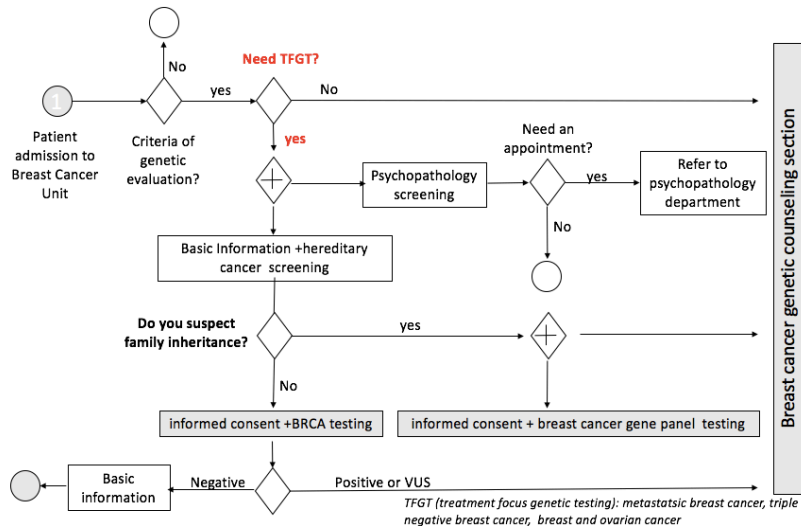
Trained in genetics

3 INTERVIEWS
Education

- 1- Education /Family tree
- 2- Risk assessment
- 3- Study indication
- 4- Interpretation (VUS)
- 5- Advisory report: Risk stratification and care recommendations

Update, communication with family and interaction with health team

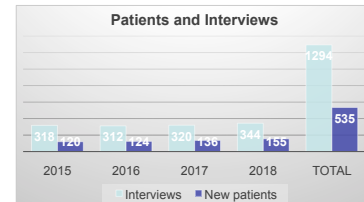
PROPOSED WORKFLOW



CONCLUSIONS

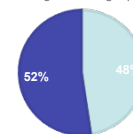
Due to the presence of trained professionals as part of core teams, the functional unit was continuously educated in genetics. That led to more and earlier referral to GC. We propose a new workflow to achieve better and more referrals of patients to GC, optimizing time and resources.

RESULTS



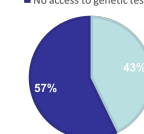
GENETIC TESTING REQUEST
N: 535

■ Genetic testing request
■ No genetic testing request



ACCESS TO GENETIC TESTING
N: 255

■ Access to genetic testing
■ No access to genetic testing



	TOTAL	POSITIVE	NEGATIVE	VUS
EXOME	2	0	0	2
BRCA1/2	81	20	61	0
GENE PANEL	8	0	5	3
FAMILY MUTATION	13	5	8	NC

104 tests were performed; 2 exomes (2 VUS: CHEK2 and TSC2), 81 BRCA1 / 2 (20 positive), 8 gene panels (3 VUS: ATM, RECQL and STK11) and 13 family mutations (5 positive: 4 BRCA and 1 CHEK2).