

1628P - IMPACT OF COVID-19 PANDEMIC ON THE DIAGNOSIS OF BREAST CANCER IN ONE REGION OF NORTH OF PORTUGAL:

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ONE YEAR EXPERIENCE

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M value at diagnosis, n(%)

M1

203(84)

7(3)

* 60% of them were diagnosis between Octobre 2020 and March 2021

BACKGROUND

COVID-19 pandemia forced the country to lockdown and in March 2020 and reduce both primary health care and hospital in person consultations as well as stopped all the cancer screenings programs. closed the primary health care as well as cancer screening programs. In the first half of 2020, in England, a decrease in number of referrals for suspected breast cancer was reported, becoming 28% lower compared to the same period of 2019.¹ Similar data have been reported in others countries. A population-based study in Netherlands reported a decrease in incidence across all age groups and tumor stages (except satge IV) from 2018/2019 to 2020, mostly for DCIS and stagel disease (p<0,05).²

AIME

To access de impact of COVID-19 pandemia in the new diagnosis of breast cancer in a terciary hospital, in Portugal.

METHODS

- Retrospective, cohort study
- •Inclusion criteria:
 - •All patients with new diagnosis of breast cancer between March 2019 and March 2021
 - Referred to Hospital Pedro Hispano, Matosinhos

All patients with new diagnosis of breast cancer referred to Hospital
Pedro Hispano between March 2019 and March 2021

Cohort 1: Before COVID-19
Pandemia
(March 2019 to March 2020)

(March 2020 to March 2021)

- Descriptive statistic: median and IQR
- •Comparative assessment between groups: non parametric test (Mann-whitney).
- •Significance level: α = 0,05
- •Statistic software: SPSS® V 25.0

	COHORT 1 Before COVID-19 (N= 241)	COHORT 2 After COVID-19 (N=194)	р		COHORT 1 Before COVID-19 (N= 241)	COHORT 2 After COVID-19 (N=194)	р
Age (years), median(IQR)	60(51-69)	59(50-70)		T value at diagnosis, n(%)			<0,001
stage at diagnosis, n(%)			<0,001	T1a	8(3)	13(7)	
DCIS	32(12)	17(9)		T1b	31(13)	17(9)	
Stage I	123(51)	59(30)		T1c	91(38)	43(22)	
Stage II	57(24)	77(40)		T2	69(29)	78(40)	
Stage III	23(10)	21(11)		Т3	6(3)	10(5)	
Stage IV	8(3)	20(10)		T4	3(1)	6(3)	
reatment, n(%)			0,377	N value at diagnosis, n(%)			0,186
Chemotherapy	119(49)	100(52)		NO	138(57)	100(52)	
Legend: DCIS- ductal in situ carcinoma; IQR- interquartil range				N1	45(19)	49(25)	
Special Sels ductar in situ turcii	ionia, ioni interquartii fange	-		N2	19(8)	11(6)	
				N3	4(2)	7(4)	

CONCLUSION

RESULTS

This study shows a decreased in the new diagnosis of breast cancer after COVID-19 pandemia. More patients were diagnosed in advanced stage, and metastatic disease. This situation might have been caused by the absence of sreening programs, with the diagnosis being made mainly by self examination. The real impact on long-term prognosis is still unknown.

References: 1. Gathani T, et al. The COVID-19 pandemic and impact on breast cancer diagnoses: what happened in England in the first half of 2020. Br J Cancer. 2021; 124: 710-712. 2-Eijkelboom A, et al. NABON COVID-19 Consortium and COVID and Cancer-NL Consortium. Impacty of the COVID-19 pandemic on diagnosis, stage amd initial treatment of breast cancer in the Netherlands: a population-based study. J Hematol Oncol. 2021; 14:64. Freer P. The Impact of the COVID-19 Pandemic on Breast Imaging. Radiol Clin North Am. 2021; Maringe C, et al. The impact of the COVID-19 pandemic on cancer deaths due to delays in diagnosis in England, UK: a national, population-based, modelling study. Lancet Oncol. 2020; Patt D, et al. Impact of COVID-19 on Cancer Care: How the Pandemic Is Delaying Cancer Diagnosis and Treatment for American Seniors. JCO Clin Cancer Inform. 2020.



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