SUCCESSFUL RECOVERY OF BREAST CANCER SCREENING AND DIAGNOSIS RATES DURING COVID-19 PANDEMIC BY ADOPTING THE RECOMMENDATIONS OF THE BRAZILIAN COLLEGE OF RADIOLOGISTS (CBR), THE BRAZILIAN FEDERATION OF GYNECOLOGISTS AND OBSTETRICIANS (FEBRASGO), AND THE BRAZILIAN MASTOLOGY SOCIETY (SBM): DATA FROM A PRIVATE BREAST UNIT IN BELO HORIZONTE, BRAZIL

Henrique Lia Couto1, Nayara Carvalho de Sá1, Rachel Saraiva Teatini Selim de Sales1, Tereza Cristina Ferreira de Oliveira1, Patrícia Martins Gomes El Bacha1, Shirley das Graças Ferreira1, Gabriel de Almeida Silva Junior1, Carolina Nazareth Valadares1

1Clínica Radiológica Ambulatorial Redimasto, Redimama Ltda – Belo Horizonte (MG), Brazil.

Objectives: To present the results of adopting CBR/FEBRASGO/SBM recommendations for breast cancer screening and diagnosis during 2020 COVID-19 PANDEMIC on mammograms (MMG), breast ultrasound (BUS), breast biopsy (BB), and cancer diagnosis (CD) rates.

Methodology: Comparing by month the total number of MMG, BUS, BB (composed of fine needle, core, and vacuum procedures), and invasive and in situ cancers diagnosis (CD) performed at Redimama, a private breast unit from Belo Horizonte Brazil, that adopted CBR/FEBRASGO/SBM recommendations for breast cancer screening and diagnosis during the 2020 COVID-19 pandemic year to 2019 same period.

Results: In April 2019, 391 MMG, 714 BUS, 223 BB, and 22 CD were performed, compared with 115 (29.4%) MMG, 313 (43.8%) BUS, 116 (52%) BB, and 11 (50%) CD in 2020. A continuous and fast recovery occurred along the time. In 2019 first semester, 2241 MMG, 4229 BUS, 1214 BB, and 84 CD were performed, compared with 1,903 (88.7%) MMG, 4,227 (99.2%) BUS, 1,044 (86%) BB, and 92 (109.5%) DC in 2020. In 2019, 4,424 MMG, 10,395 BUS, 3,304 BB, and 231 CD were performed, compared with 4,561 (110.79%) MMG, 11,549 (120.72%) BUS, 3,011 (91.13%) BB, and 226 (97.83%) CD in 2020. In 2019, the median size in image (T) by MMG/BUS for invasive cancers (IC) was 18.18 mm, from CD 184 (79.66%) were IC, and 47 (20.4%) ductal carcinoma in situ (DCIS) compared to a T of 18.2 mm, 191 (86.52%) IC, and 35 DCIS in 2020.

Conclusion: Adopting the CBR/FEBRASGO/SBM recommendations for breast cancer screening and diagnosis results to recovery the prior pandemic levels. Recovery of MMG and BUS is faster and shows a “J” curve compared with recovery of BB and CD that shows a “U” curve with a delay. This strategy should be adopted in Brazil in order to maintain breast cancer screening and diagnosis.

Keywords: Breast Neoplasms; Screening; Mammograms; Breast Ultrasound; Biopsy.