



## **ANAIS DO XXVI CONGRESSO BRASILEIRO E IX LATINOAMERICANO DE FÍSICA MÉDICA DE 2022**

**FORMA DE APRESENTAÇÃO:** PÔSTER

**EIXO TEMÁTICO:** INOVAÇÕES EM PRODUTOS,  
PROCESSOS E TECNOLOGIAS  
EM SAÚDE

**TÍTULO:** “Radioactive Iodine-125 Seed Intraoperative Localization for Impalpable Breast Lesions Conservative Surgery: Case Series Analysis”

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### **RESUMO:**

The radioactive seed localization (RSL) technique is used for breast cancer conserving surgeries to guide the surgeon in tumor identification and excision. The aim of this study was to perform a systematic analysis of case series about the surgical efficiency, safety and logistic outcomes of the services that performed the RSL program incorporation in their institution. The systematically research was performed in PubMed, EMBASE and Web of Science looking for case series. Was identified 24 case series, the population consist in 7177 women with non-palpable breast lesions, aged 19-92 years old, who underwent conservative surgery or biopsy excisional. The results about positive surgical margins, intraoperative re-excision, reoperation, recurrence, sentinel node biopsy failure, complications and time interval between localization and surgery shows a high rate of surgical efficiency, associated to low rates of intervention complications. Keywords: breast conservative surgery; radio guided surgery; radioactive seed localization.