

E. NOI FELLOWSHIP REPORT – LONG-TERM BENEFITS

Name and titles of NOI Fellow:

Bibiána Vertáková Krakovská, M.D., PhD.

Contact Address of the Home Institution:

St. Elizabeth Cancer Centre, Heydukova 10, 812 50, Bratislava, Slovakia

NOI Fellowship Title and Objectives:

Increasing the specificity of histopathological parameters of malignant breast tumors using MR characteristics in the process of deciding on the indication of neoadjuvant chemotherapy (NACT) +/- biological treatment in locally advanced breast carcinomas.

NOI Fellowship Dates:

1st September – 30th September 2022

Contact Address of the Host Institution:

Breast Unit , Champalimaud Clinical Center, Avenida Brasilia 1400-038, Lisbon, Portugal

Overview of NOI Fellowship experience:

- I focused on improving knowledge in the diagnosis and treatment of malignant breast diseases - with a special focus on the role and status of neoadjuvant systemic treatment in individual subtypes of breast tumors (types of applied regimens, determination of response to treatment, methodology for marking the primary tumor and axillary LU before chemotherapy administration)
- Acquaintance with standard procedures within a multidisciplinary approach to the patient at a highly recognized workplace
- I used the opportunity to consult my own problematic case reports of patients with ambiguous findings- and I continue to co-work with the team members in the breast unit
- We continue to compare self-achieved and published results in patients with neoadjuvant treatment - monitoring and evaluation of treatment effect as well as comparison of achieved results (RCB scale)

Possible Knowledge Transfer for the Improvements in Oncology in Slovakia:

- Optimization of neoadjuvant chemotherapy regimens, including the use of dose-dense regimens and omitting anthracyclines in some cases
- Introduction of marking of the primary tumor as well as lymph nodes using carbo medicinalis, as an economically preferred option (inexpensive method) of labeling before administration of neoadjuvant treatment and before the surgery
- Introduction of new procedures within the multidisciplinary team for breast diseases - optimization of the workflow of the multidisciplinary team with an emphasis on the optimal management of patients- have regular meetings of the MDT – we achieved this in our institution
- Optimization of procedures during neoadjuvant treatment
- Optimization of patient care during adjuvant treatment (HT, CHT, biological th), optimization of procedures and medication during and following adjuvant treatment (incorporation of standard

adjuvant administration of bisphosphonates into standard treatment procedures) – we achieved this in our institution

- Optimizing the use of vascular access for the application of chemotherapy

Place and Date:

Bratislava, September 28th, 2023

Signature