

## E. NOI FELLOWSHIP REPORT – SHORT-TERM BENEFITS

NOI Fellowship Report concerning the evaluation of the short-term benefits must be sent no later than 30 days after the end of the fellowship to [grant@noisk.sk](mailto:grant@noisk.sk). Specifically, indicate the scope of work during the fellowship in the report and highlight the achievement of goals together with the possibility of knowledge transfer for the Oncology in Slovakia. Attach the relevant photo documentation to the fellowship report.

NOI Grant with its assigned number must be acknowledged in all publications or presentations related to the fellowship results, and a citation of the publication or information about the conferences needs to be sent to [grant@noisk.sk](mailto:grant@noisk.sk).

### Name and titles of NOI Fellow:

Bibiána Vertáková Krakovská, MD, PhD.

### Contact Address of the Home Institution:

St.Elizabeth Cancer Centre, Heydukova 10, 81250, 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:** 09/01/2022 – 09/30/2022

### Contact Address of the Host Institution:

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

### Overview of NOI Fellowship experience:

- 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 high recognized workplace
- Possibility of consulting my own problematic case reports of patients with ambiguous findings
- Comparison of 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
- 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
- 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
- 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)
- Optimizing the use of vascular access for the application of chemotherapy

**Place and Date:** In Bratislava, October 3<sup>rd</sup>, 2022

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**Signature**