



NATIONAL INSTITUTE OF ONCOLOGY

Head: *prof. dr. Polgár Csaba Ph.D., DSc.*

☒ 1122 Budapest, Ráth György u. 7-9. ☎: (+36 1) 224 8600, Fax.1 224-8620 Web:www.oncol.hu

Department of Radiology, Oncologic Imaging Diagnostic Center

Unit head: *Dr. med. habil. Dávid László Tárnoki PhD.*

Department head: *Dr. med. habil. Ádám Domonkos Tárnoki PhD.*

☎: (+36 1) 224-8758

EN ISO 9001:2015

INFORMATION FOR PATIENTS UNDERGOING ULTRASOUND- GUIDED DIAGNOSTIC THERAPEUTIC PROCEDURES

Dear patient, welcome to our Institute!

You will be subject to an ultrasound guided procedure upon request of your attending physician.

It is important to verify the origin of the lesion found in your body to help your clinician determine the adequate treatment, therefore a sample from the lesion has to be acquired for cytopathology or histopathological analysis. If necessary, therapeutic interventions (e.g., administration of medicine or drainage of fluid) may be performed.

Your clinician should discuss with you the indications and reasons for the planned intervention, because you have to be aware of the course of the procedure and possible complications. The intervention will only be performed after you have given your consent.

Please, indicate in the form if you are taking medications affecting coagulation or you are suffering from hemophilia. It may be necessary to suspend or alter your anticoagulation therapy to perform the procedure. In fact, hemophilia can lead to serious complications, so it may be necessary to have a lab test no more than 7 days old.

Please indicate in the form, if you are aware of allergy to lidocaine or other medication.

After the intervention you will be informed of how you and your clinician will receive the results of cytology or histology reports.



What does the intervention mean and look like?

Sampling is carried out from superficial regions (such as neck, armpit, groin, breast, limbs, etc.), deeper organs (e.g. liver) or body cavities (thoracic cavity or abdominal cavity).

You must expose the involved body part for the intervention. If necessary, you should lie on the exam table in a special position.

For performing successful intervention, please do not move and follow our instructions.

After disinfecting the skin surface a so called fine-needle (aspiration cytology, FNAB) or core needle (core biopsy) is inserted in the lesion through the skin - tissue sampling is performed via the needle. Core needle biopsy - when a cylinder of tissue is obtained - is preceded by local anesthesia. The procedure may be a little bit painful despite using anesthesia and may cause minor bleeding at the injection site, which does not require further care. Therapeutic procedures are carried out in a similar manner.

In all cases, the exact position of the needle is monitored on the display of ultrasound.

During the interventions you may experience feeling of discomfort, pressure or mild, short-term sharp pain. After interventions involving deeper organs (e.g. liver), 24-hour hospital monitoring is required, which is provided by your clinician.

What are the possible complications?

Despite the utmost care, more severe bleeding or autonomic (vegetative) reaction may occur, which may require additional hospitalization. In extremely rare cases, these can be life-threatening. As a later complication, postinterventional bleeding or infection may occur in extremely rare cases, so it is important to see a doctor if you experience sudden onset of symptoms at home!

Any further questions?

If you have any questions, please do not hesitate to contact our staff. Thank you for your cooperation facilitating our work and thereby your recovery.

Budapest, March 2020

Dávid László Tárnoki MD, PhD

Ádám Domonkos Tárnoki MD, PhD