



## AIMS AND SCOPE OF THE JOURNAL

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All articles sent to editors undergo double-blind review. Manuscripts are judged by two experts exclusively on the basis of their contribution to initial data, ideas and their presentations. Editors accept articles for consideration and publication at no cost. Detailed information is available in the section Information for authors at the end of this material.

The Journal of "Clinical Medicine of Kazakhstan" to the full extent is wedded to initiative of open access and ready to provide free access to full texts of articles, as soon as they will be published and available in the Internet ([www.clinmedkaz.org](http://www.clinmedkaz.org)).

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The journal is indexed in such international scientific-information bases as Russian Science Citation Index, "Cyberleninka" scientific electronic library, Index Copernicus International, Google Scholar, CrossRef. DOAJ.

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## JOURNAL OF CLINICAL MEDICINE OF KAZAKHSTAN

Scientific and practical journal

# NATIONAL SCIENTIFIC MEDICAL CENTER JSC, ASTANA CITY, REPUBLIC OF KAZAKHSTAN



## TREATMENT OF TUMORS AND PARASITIC CYSTS USING HIGH- INTENSITY FOCUSED ULTRASOUND

The latest HIFU installation- JC therapy has been in use in NSMC since January 2010. This installation allows noncontact complete eliminating the endogenous tumor using high intensity focused ultrasound without cutting the tissues and injury of not affected organs.

NSMC successfully treats: mammary and alvus fibroadenoma; breast cancer; liver tumors and cysts (primary liver cancer, liver metastases, echinococcosis, alveococcosis); benign and malignant pancreatic tumors; benign and malignant tumors of kidneys; osteogenic and myelosarkoma of extremities (soft tissues and bones cancer of the extremities).

HIFU-therapy of echinococcosis and alveococcosis developed in the clinic is the one and only in the world and is an alternative to surgical treatment of this disease, causing the economic feasibility.