FUS in moving organs can be realized by updating the focal spot to follow the target motion (steered FUS). A training and learning software can help unexperienced physicians and can assess the efficiency and effectiveness of the treatment.

Database for relevant clinical cases
Relevant clinical cases can be stored and accessed later for training and learning from multiple sites. All communication and data are encrypted. The database exploration utility allows to upload or download data.

Treatment software
The training and learning software offers a variety of indications for use. The main advantage is that no hardware is needed to use the training and learning system. All hardware components are emulated with appropriate software modules.

The software to be used in clinical studies during the TRANS-FUSIMO project is new and advanced to the personnel. The training and learning system enables the operator to rehearse before treating patients in the same interface and functionality as in real-world scenarios.

The database itself can also be used to upload cases from different sites to learn about the performance of FUS procedures as well as the effect on improved tracking, temperature and motion compensation algorithms.

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