

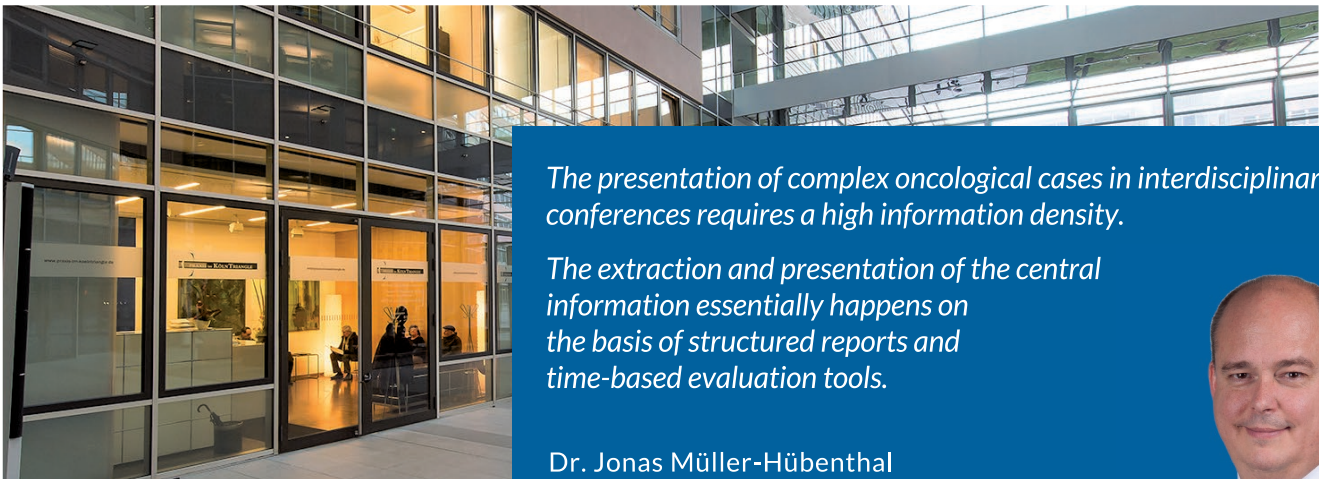
mint Lesion™

CATAPULTED INTO A NEW ORBIT OF REPORTING

Practice owner Dr. med. Jonas Müller-Hübenthal became aware of the multiple possibilities and the potential that can result from integrating structured reporting into his clinical routine work during a congress in 2015. Since then, he and his team in the boutique practice for radiology and nuclear medicine in KölnTriangle have been using mint Lesion™ and cannot imagine working without it anymore.

The daily routine of a private practice is marked by a high pressure to be efficient, especially in view of the tight schedule of patient appointments and wanting to continuously grow one's own standard of quality. Radiologists who resort to inadequate tools for structured reporting – simple checklists, spreadsheets or even a calculator and paper – often give up in frustration. Reporting with mint Lesion™ is different: The software takes on the role of a real assistant for the physicians. It works in an interactive and dynamic dialogue with the users and guides them through the reporting process. Moreover, mint Lesion™ links any measured value to context data of clinical significance, right at the moment it is generated, thereby integrating it into a digital model of the patient.

SUCCESS STORY



The presentation of complex oncological cases in interdisciplinary conferences requires a high information density.

The extraction and presentation of the central information essentially happens on the basis of structured reports and time-based evaluation tools.

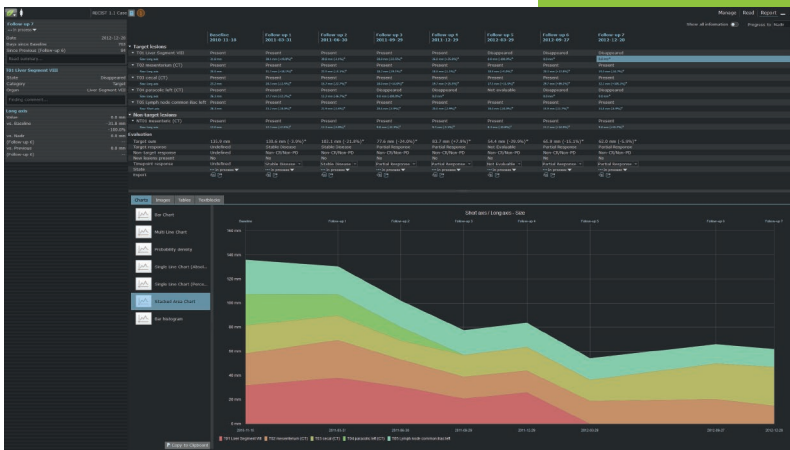
Dr. Jonas Müller-Hübenthal
Radiologiepraxis im KölnTriangle

In November 2015, two weeks after meeting at the annual meeting of the International Cancer Imaging Society (ICIS), Dr. Matthias Baumhauer, CEO of Mint Medical GmbH, stood at the door of the practice in KölnTriangle with a server under his arm. "One hour of work and then the software was running," Dr. Müller-Hübenthal affirms. "The go-live process was hassle-free."

The specialists for radiology and nuclear medicine quickly welcomed the advantages that arose thanks to having the computer act as a real "colleague" that can suddenly understand the case as well as evaluate and present a multitude of information, overview graphics and progress markers. "Complex information is condensed so that it is easier to understand. We believe that this way, we can make the complex central assertion of the report more coherent for referring colleagues or patients – it is condensed, compressed, and clear," asserts Dr. Müller-Hübenthal.

Although the radiologists and specialists for nuclear medicine in his practice also measured primary tumors, lymph nodes, metastases and remote metastases in the past, these findings and their development were difficult to follow up on. This is where mint Lesion™ can truly demonstrate the advantages which make it the technologically leading diagnostic tool: The software knows the patient's history and tracks each individual lesion over time. mint Lesion™ supports the user in finding lesions in new image data, correctly allocates them to previous measurements and provides a holistic overview of the disease.

“We have observed that the initially visible target lesions in the overall tumor development respond very well and often remain under control for a long time, and that the disease then slips out of control elsewhere. These are patterns that can be visualized at a glance with the stacked graph feature in mint Lesion™. An important and popular tool that we frequently use is the visualization of volume across timepoints, sorted according to primary tumors, lymph node metastases and hematogenous metastases.” The graphs depict the size, texture, and other parameters of all the measured lesions over time and put them in context to clinical parameters (e.g. tumor markers). Those who are mainly affected appreciate this concise overview as well: “There are patients who come to us specifically because they want to have this stacked graph.”



In the context of a private practice, mint Lesion™ helps assess the metabolic and morphological response in the course of the treatment, even in complex oncological cases. Patients and referring physicians especially appreciate the graphs of the different lesions paired with clinical information (therapy, tumor markers, etc.).

Dr. Jonas Müller-Hübenthal

The software knows the reading context and points out the particularities of the tumor entities (e.g. the assessment of the mesorectal fascia in rectal cancer). This way, mint Lesion™ always evaluates therapy-relevant aspects, independently from the radiologist's experience with a certain guideline such as the frequently updated TNM classification or ACR-RADS©. By virtue of the integrated conformity checks, mint Lesion™ ensures that the report is complete and the results valid. “In this way, we also use mint Lesion™ as a tool for further training and for demonstrations in interdisciplinary tumor conferences,” announces Dr. Müller-Hübenthal. “The formal and comparable approach to reporting also leads to colleagues being able to directly take up, process, and consistently compare earlier reports to current readings.”

Next to the increase in quality that was achieved by using mint Lesion™, their own demand for high quality reports has also risen. Dr. Müller-Hübenthal sums up the experience with mint Lesion™ in his practice: “We have catapulted ourselves into a new orbit of complex reporting in hybrid imaging and have achieved a higher understanding for tumor biology and its anatomical and functional image.”