



Enterprise Imaging Lesion Tracking

Easy, Fast Lesion Tracking:
A Key Tool in Monitoring the Success of Cancer Treatments

That's life in **flow**.

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Easy, fast lesion tracking: a key tool in monitoring the success of cancer treatments

Medical imaging plays a crucial role in an oncology patient's journey. It not only assists the clinician in making a diagnosis, but also helps guide the treatment plan and follow up of patients over time. Tracking the changes in the size of a patient's lesions gives healthcare providers valuable insight into the effectiveness of therapies such as chemotherapy. Furthermore, it is an essential aspect of evaluating the response of tumors during clinical trials.

Enterprise Imaging Lesion Tracking does the busy work for radiologists and oncologists, making it fast and easy to measure, record and compare lesions; to see "at a glance" how the tumors evolve and respond to the therapy; and to include these findings in their reports. All from a single workstation – so the clinicians can stay in the flow, free of the distractions of switching from screen to screen.



1 From baseline

Tracking changes in the size of lesions requires a comparison between an initial baseline and follow-up examinations.

- To create the baseline in Enterprise Imaging Lesion Tracking, the 'target' lesions are selected: generally, the larger lesions that are easy to measure.
- Both the longest diameter or orthogonal diameter can be measured and recorded.
- An additional description can be added in a free text field.
- The measurements are immediately added to a Lesion Overview table.
- 'Non-measurable' lesions can also be added and described.
- Once all the lesions have been identified, the system automatically calculates the sum of the diameters of target lesions.

2 To follow-up

When follow-up exams are carried out, Enterprise Imaging Lesion Tracking will automatically load the Lesion Overview table, with the previous results.

- The new study automatically syncs to the optimal slice location of the different lesions and the new measurements are automatically added to the table, speeding up the workflow.
- The progression of the lesions can be assessed, and any new lesions identified and described.
- The system calculates the new target sum, and compares it to the target sum of the baseline and the nadir.
- AGFA HealthCare Enterprise Imaging Lesion Tracking supports FHIRcast context synchronization.

See the evolution “at a glance”

A clear and easy-to-read lesion overview table, designed in consultation with clinicians, provides the status of the patient’s baseline and follow-up tumor measurements, compared to the target responses.

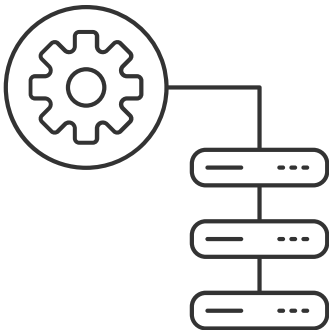
The changes (deltas) to the baseline and the nadir are color-coded, giving the clinician an “at a glance” view of the information they need to focus on.



Structured data for flexible reporting

All information from Lesion Tracking is saved directly in a structured format in a database. This allows it to be used in reports, not only in Enterprise Imaging, but also in another reporting system or even an oncology database, including in text or HTML format. So, all the data collected is available as needed, both to the imaging specialist and referring physicians, whether for other reports, in other applications, for clinical trials, etc.

The table can be opened while viewing any of the patient’s imaging studies – even those unrelated to the tumor tracking, such as an ultrasound – allowing the clinician to always view the most up-to-date results at the click of a button.





Response evaluation criteria in solid tumors (RECIST)

Enterprise Imaging Lesion Tracking has been designed to support the widely accepted RECIST guidelines for evaluating the activity and efficacy of (new) cancer therapeutics in solid tumors.

Baseline

With Enterprise Imaging Lesion Tracking you can select and measure target and non-target lesions, and add information such as evaluation criteria.

Tracking

When there is a follow-up exam, the system will sync the new study to the optimal slice location of the different lesions, speeding up the workflow. New lesions that are identified can be added along with any additional information.

Assessment of disease trends

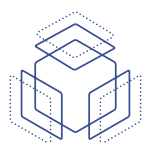
The measurement results and other information you need for RECIST are neatly presented in the lesion overview table format, enabling the clinician to assess growth or shrinking of the lesions.

Reporting

The measurement data can be included in a report that is created with Enterprise Imaging or any other reporting system.

Contact your AGFA HealthCare Client Executive to get started

or email enterpriseimaging@agfa.com



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