A. W. Patient Summary
Patient Study Based on Lesion Graph

Di Veroli B., Joskowicz L. A Graph Theoretic Approach for Analysis of Lesion Changes and Lesions Detection Review in Longitudinal Ontological Imaging, CASMIP Hebrew University, 2023

Lesion Counting According to Their Classification

| Time Layer	complex	disappeared	lone	merged	new	persistent	split
0	0	0	0	0	2	0	0
1	0	0	0	0	0	2	0
2	0	0	0	0	0	2	0

Tracking the Changes in the Total Volume of the Tumors From One Scan to the Previous One

| Time Stamp	Total Volume [cm³]	Volume Difference Percentage	Volume Difference [cm³]
0	12.82	0%	0
1	4.52	-65%	-8.3
2	1.6	-65%	-2.92

Individual Lesion Changes

In the following graphs along each edge, the % change in volume between one scan and the next is shown in green/red; under each node, the actual volume is shown in black, in cubic cm.

The History of Lesion 1
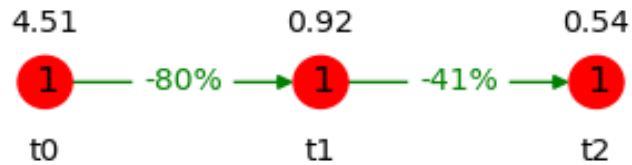
Lesion 1: Lesion volume has decreased by 41% from previous scan to current scan. Volume consistently decreased over time by 88% from first scan to last scan.

The History of Lesion 2
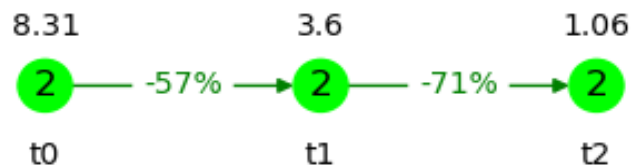
Lesion 2: Lesion volume has decreased by 71% from previous scan to current scan. Volume consistently decreased over time by 87% from first scan to last scan.

Total Lesion Growth History

Tumor burden of 2 lesions decreased over time by 88%