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

Lesion Count According to Classification

Time Layer	complex	disappeared	lone	merged	new	persistent	split
0	0	0	1	0	6	0	1
1	0	2	0	0	1	7	0
2	0	0	11	2	0	3	0

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

Time Stamp	Total Volume [cc]	Volume Difference Percentage	Volume Difference [cc]
0	386.61	-	-
1	200.98	-48%	-185.63
2	319.73	+59%	+118.75

Individual Lesion Changes
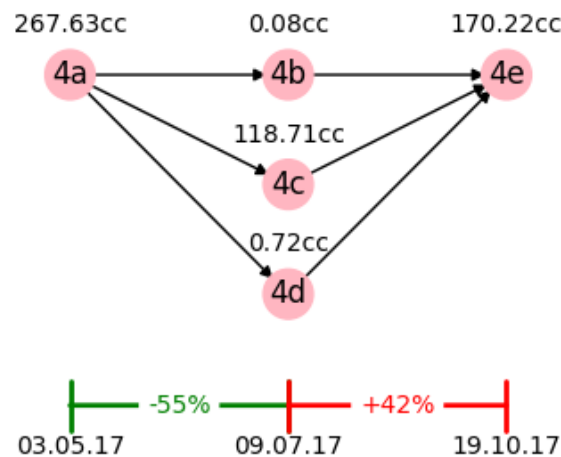
New Lesions

Lesions 9a, 10a, 11a, 12a, 13a, 14a, 15a, 16a, 17a, 18a, 19a appeared for the first time in the last scan.

Disappeared Lesions

Over time, 2 lesions disappeared.
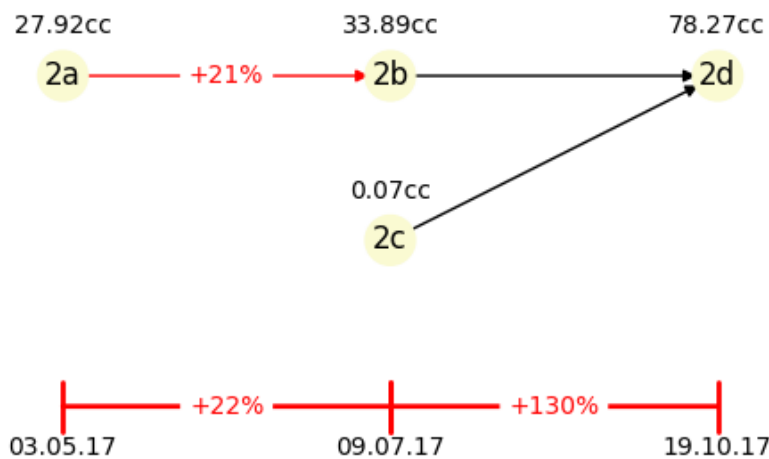2 lesions were last identified in 03.05.17.

Lesions Appearing in Multiple Scans

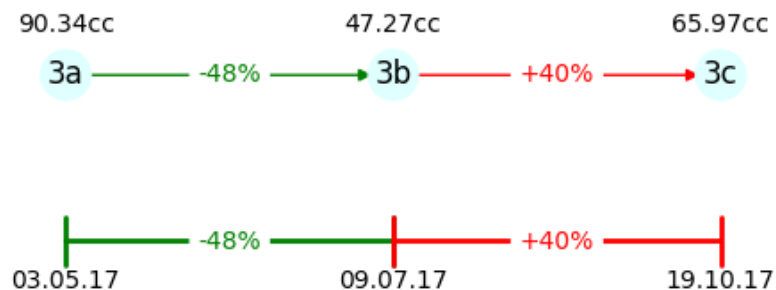### Changes over-time of lesion 4, appearing at last scan as 4e:

The lesion classification is complex. Lesion 4e is a merged lesion resulting from a merge of lesions 4c, 4b and 4d. Lesion 4e's total volume, relative to the combined (summed) previous volumes of lesions 4c, 4b and 4d, has increased by 42%. The total lesion burden has decreased, from the first scan to the current scan, by 37%.

Changes over-time of lesion 2, appearing at last scan as 2d:

27.92cc   33.89cc   78.27cc

2a ——— +21% ———▶ 2b ——————————▶ 2d

                       0.07cc

                        2c

├——————— +22% ———————┼——————— +130% ———————┤
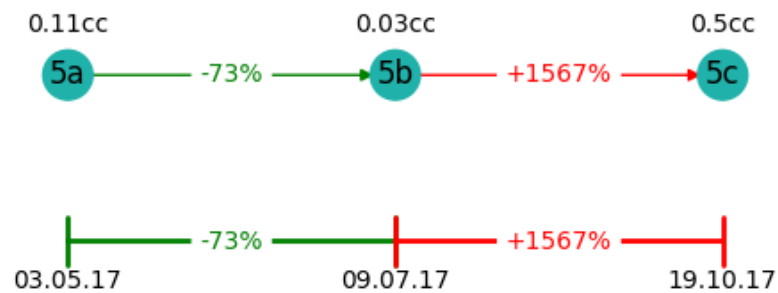03.05.17   09.07.17   19.10.17

Lesion 2d is a merged lesion resulting from a merge of lesions 2b and 2c. Lesion 2d's total volume, relative to the combined (summed) previous volumes of lesions 2b and 2c, has increased by 130%. The total lesion burden has monotonically increased, from the first scan to the current scan, by 180%.

Changes over-time of lesion 3, appearing at last scan as 3c:

90.34cc   47.27cc   65.97cc

3a ——— -48% ———▶ 3b ——— +40% ———▶ 3c

├——————— -48% ———————┼——————— +40% ———————┤
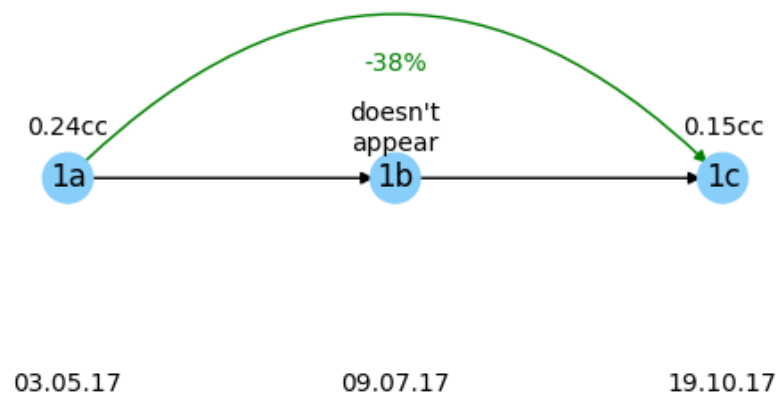03.05.17   09.07.17   19.10.17

The current lesion volume has increased over time by 40% relative to the previous scan. The total lesion burden has decreased, from the first scan to the current scan, by 27%.

Changes over-time of lesion 5, appearing at last scan as 5c:

0.11cc   0.03cc   0.5cc

5a ——— -73% ———→ 5b ——— +1567% ———→ 5c

——— -73% ——— | ——— +1567% ———

03.05.17   09.07.17   19.10.17

The current lesion volume has increased over time by 1567% relative to the previous scan. The total lesion burden has increased, from the first scan to the current scan, by 354%.

Changes over-time of lesion 1, appearing at last scan as 1c:

-38%

0.24cc   doesn't appear   0.15cc

1a ————————→ 1b ————————→ 1c

03.05.17   09.07.17   19.10.17

This lesion doesn't appear in the previous scan, taken on 09.07.17. It previously appeared in the scan taken on 03.05.17. This lesion's volume has decreased by 37% between the previous scan where it last appeared (03.05.17) and the current scan. The total lesion burden has monotonically decreased, from the first scan to the current scan, by 38%.