# 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 |

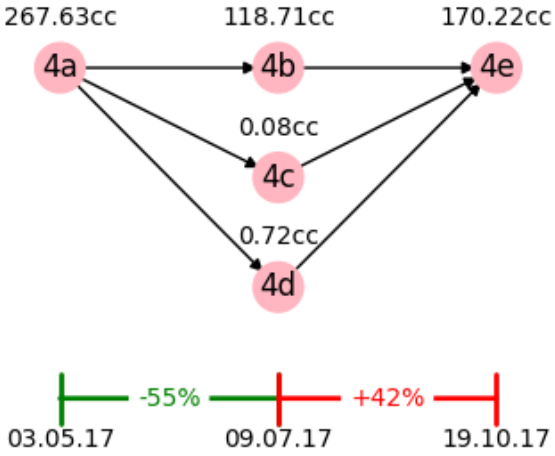
# Individual Lesion Changes

## 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.

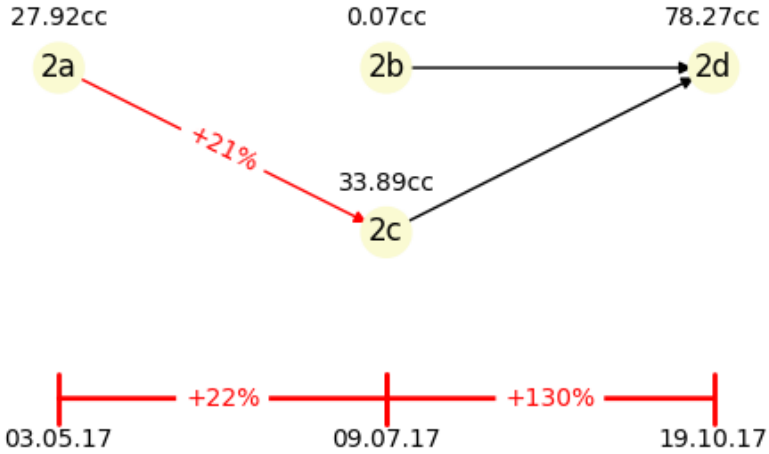
## Lesions Appearing in Multiple Scans

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



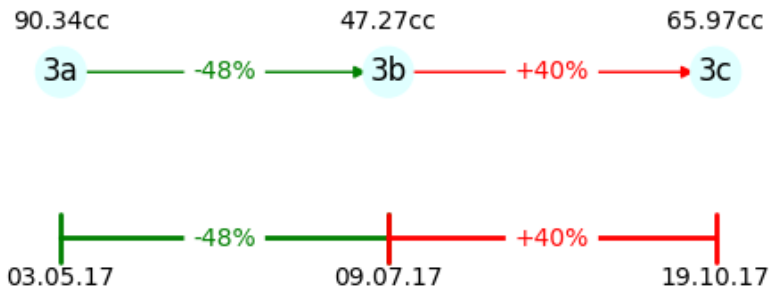

The current lesion volume has increased over time by 42% relative to the previous scan. The total lesion burden has decreased, from the first scan to the current scan, by 37%.

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



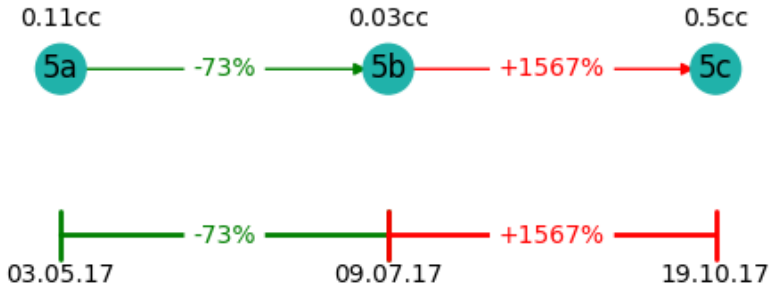

Lesion 2d is a merged lesion resulting from a merge of lesions 2c and 2b. Lesion 2d's total volume, relative to the combined (summed) previous volumes of lesions 2c and 2b, has increased by 130%. The total lesion burden has monotonically increased, from the first scan to the current scan, by 180%.

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



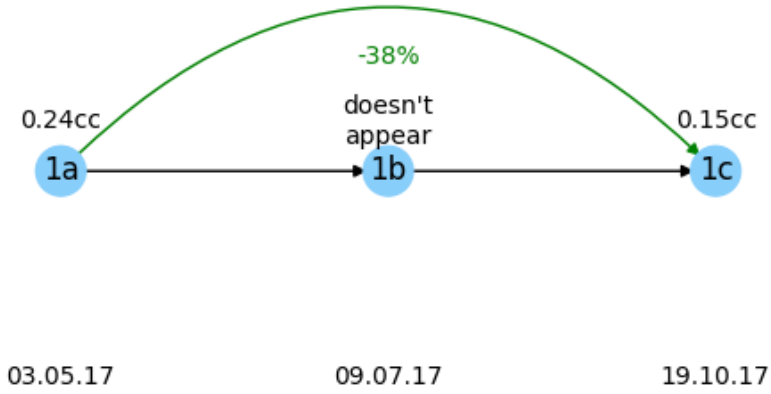

The current lesion volume has increased over time by 40% relative to the previous scan. The total lesion burden has decreased, from the first scan to the current scan, by 27%.

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




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:




This lesion doesn't appear in the previous scan, taken on 09.07.17. The currrent lesion volume is 0.15 cc. The total lesion burden has monotonically decreased, from the first scan to the current scan, by 38%.