# A.Z.A. 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	0	0	18	0	0
1	0	0	1	1	7	16	0
2	0	1	0	2	0	19	0
3	0	0	5	1	0	18	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	9.91	-	-
1	42.71	+331%	+32.79
2	40.31	-6%	-2.4
3	65.36	+62%	+25.06

# **Individual Lesion Changes**

#### **New Lesions**

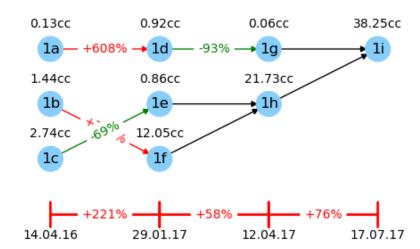
Lesions 17, 8, 22, 28, 29 appeared for the first time in the last scan.

### **Disappeared Lesions**

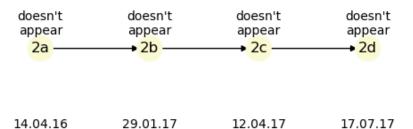
Over time, 1 lesions disappeared.

- 0 lesions were last identified in 14.04.16.
- 1 lesion was last identified in 29.01.17.
- 0 lesions were last identified in 12.04.17.

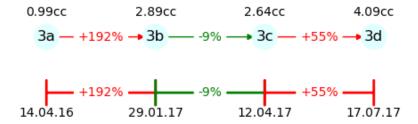
## **Lesions Appearing in Multiple Scans**



Lesion 1i is a merged lesion resulting from a merge of lesions 1h and 1g. Lesion 1i's total volume, relative to the combined (summed) previous volumes of lesions 1h and 1g, has increased by 76%. The total lesion burden has monotonically increased, from the first scan to the current scan, by 789%.



The lesion does not appear in the scan taken on 17.07.17. It last appeared in the scan taken on 12.04.17

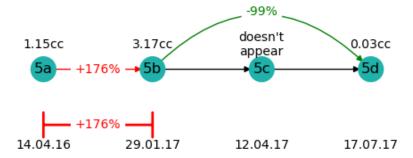


The current lesion volume has increased over time by 55% relative to the previous scan. The total lesion burden has increased, from the first scan to the current scan, by 313%.

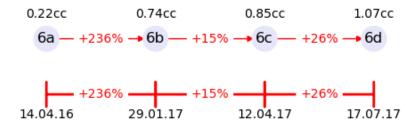
0.24cc 1.38cc 2.02cc 0.05cc  

$$4a - +475\% \rightarrow 4b - +46\% \rightarrow 4c - -98\% \rightarrow 4d$$
  
 $+475\% \rightarrow +46\% \rightarrow 4c - -98\% \rightarrow 4d$   
14.04.16 29.01.17 12.04.17 17.07.17

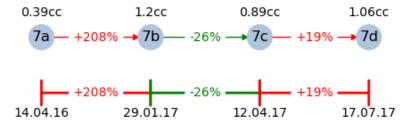
The current lesion volume has increased over time by 98% relative to the previous scan. The total lesion burden has decreased, from the first scan to the current scan, by 80%.



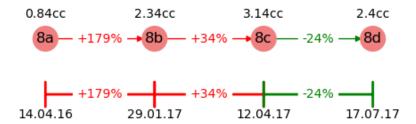
This lesion doesn't appear in the previous scan, taken on 12.04.17. The currrent lesion volume is 0.03 cc. The total lesion burden has decreased, from the first scan to the current scan, by 98%.



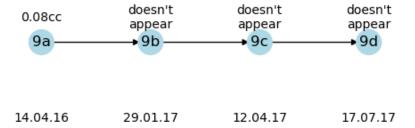
The current lesion volume has increased over time by 26% relative to the previous scan. The total lesion burden has monotonically increased, from the first scan to the current scan, by 386%.



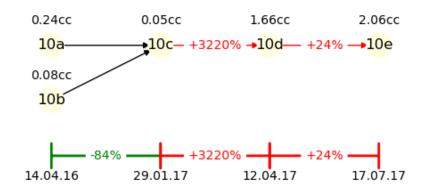
The current lesion volume has increased over time by 19% relative to the previous scan. The total lesion burden has increased, from the first scan to the current scan, by 171%.



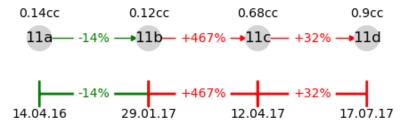
The current lesion volume has increased over time by 24% relative to the previous scan. The total lesion burden has increased, from the first scan to the current scan, by 185%.



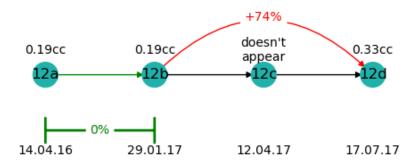
The lesion does not appear in the scan taken on 17.07.17. It last appeared in the scan taken on 12.04.17



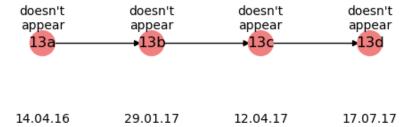
Lesion 10e is a merged lesion resulting from a merge of lesions 10a and 10b. Lesion 10e's total volume, relative to the previous scan, of lesion 10d, has increased by 24%. The total lesion burden has increased, from the first scan to the current scan, by 542%.



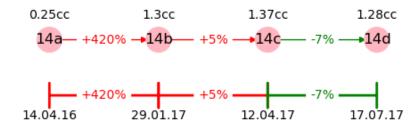
The current lesion volume has increased over time by 32% relative to the previous scan. The total lesion burden has increased, from the first scan to the current scan, by 542%.



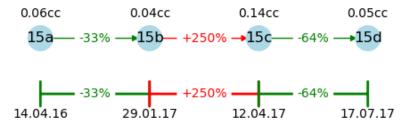
This lesion doesn't appear in the previous scan, taken on 12.04.17. The currrent lesion volume is 0.33 cc. The total lesion burden has monotonically increased, from the first scan to the current scan, by 73%.



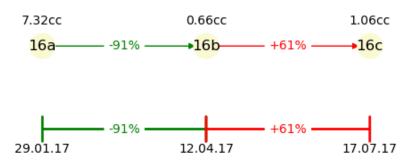
The lesion does not appear in the scan taken on 17.07.17. It last appeared in the scan taken on 12.04.17



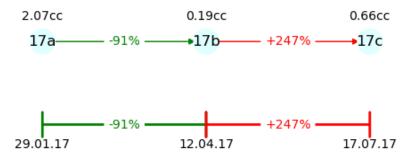
The current lesion volume has increased over time by 7% relative to the previous scan. The total lesion burden has increased, from the first scan to the current scan, by 412%.



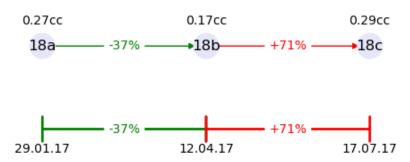
The current lesion volume has increased over time by 64% relative to the previous scan. The total lesion burden has decreased, from the first scan to the current scan, by 17%.



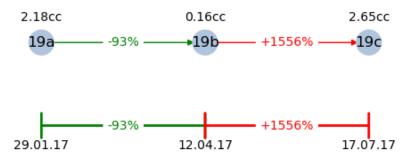
The current lesion volume has increased over time by 61% relative to the previous scan. The total lesion burden has decreased, from the first scan to the current scan, by 86%.



The current lesion volume has increased over time by 247% relative to the previous scan. The total lesion burden has decreased, from the first scan to the current scan, by 69%.



The current lesion volume has increased over time by 71% relative to the previous scan. The total lesion burden has increased, from the first scan to the current scan, by 7%.



The current lesion volume has increased over time by 1556% relative to the previous scan. The total lesion burden has increased, from the first scan to the current scan, by 21%.