

F. Y. Ga. 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	3	0	15	0	0
1	0	0	1	3	26	8	0
2	0	0	5	5	0	9	0

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

Time Stamp	Total Volume [cm ³]	Volume Difference Percentage	Volume Difference [cm ³]
0	64.45	-	-
1	139.08	+116%	+74.63
2	535.19	+285%	+396.11

Individual Lesion Changes

New Lesions

Lesions 2, 7, 9, 16, 19 appeared for the first time in the last scan.

Disappeared Lesions

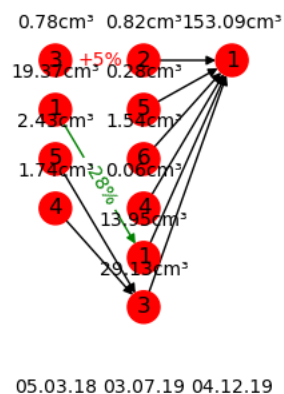
Over time, 4 lesions disappeared.

3 lesions were last identified in 05.03.18.

1 lesion was last identified in 03.07.19.

Lesions Appearing in Multiple Scans

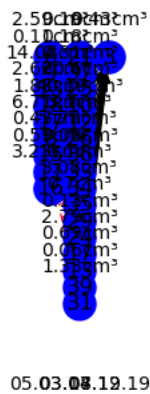
• The History of Lesion 1



Lesion volume has decreased by 997% from previous scan to current scan. Volume monotonically decreased over time by 690% from first scan to last scan.

Classification of connected component: merge.

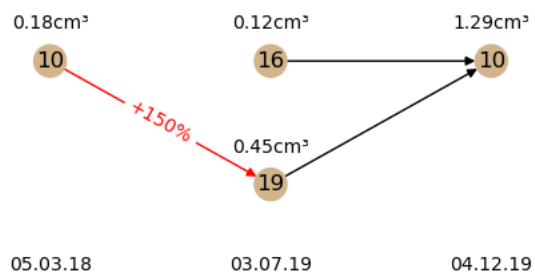
• The History of Lesion 3



Lesion volume has decreased by 99% from previous scan to current scan. Volume monotonically increased over time by 46% from first scan to last scan.

Classification of connected component: merge.

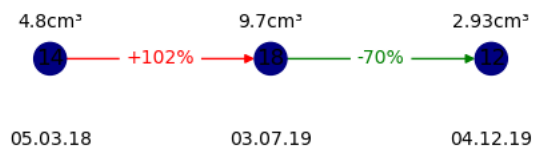
• The History of Lesion 10



Lesion volume has decreased by 94% from previous scan to current scan. Volume monotonically increased over time by 614% from first scan to last scan.

Classification of connected component: merge.

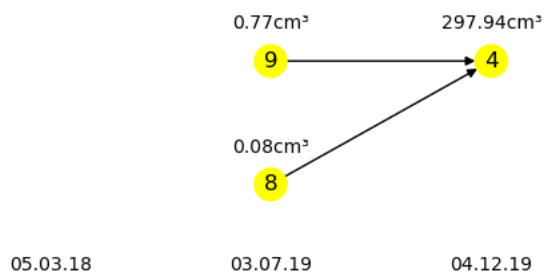
• The History of Lesion 12



Lesion volume has decreased by 93% from previous scan to current scan. Volume monotonically increased over time by 2096% from first scan to last scan.

Classification of connected component: linear.

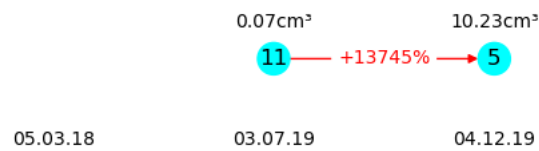
• The History of Lesion 4



Lesion volume has decreased by 520592% from previous scan to current scan. Volume monotonically decreased over time by 17019% from first scan to last scan.

Classification of connected component: merge.

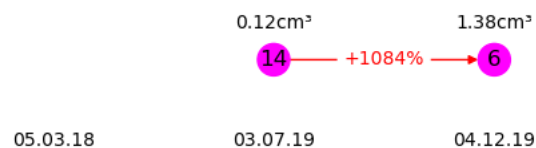
• The History of Lesion 5



Lesion volume has decreased by 3537% from previous scan to current scan. Volume monotonically decreased over time by 322% from first scan to last scan.

Classification of connected component: linear.

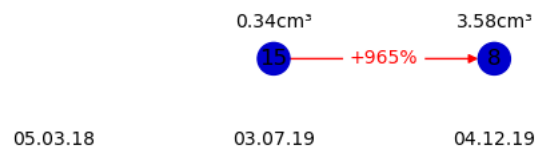
• The History of Lesion 6



Lesion volume has decreased by 10% from previous scan to current scan. Volume monotonically decreased over time by 47% from first scan to last scan.

Classification of connected component: linear.

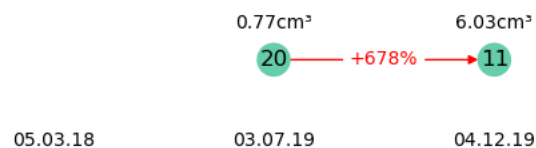
• The History of Lesion 8



Lesion volume has decreased by 4594% from previous scan to current scan. Volume monotonically decreased over time by 47% from first scan to last scan.

Classification of connected component: linear.

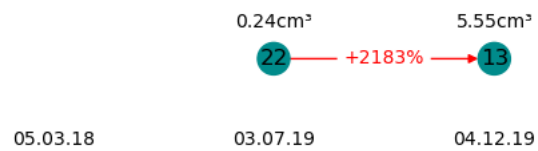
• The History of Lesion 11



Lesion volume has decreased by 8055% from previous scan to current scan. Volume monotonically decreased over time by 923% from first scan to last scan.

Classification of connected component: linear.

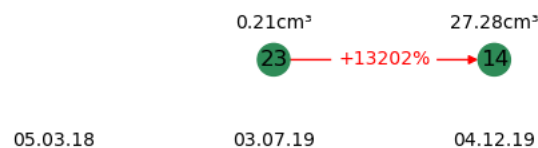
• The History of Lesion 13



Lesion volume has decreased by 706% from previous scan to current scan. Volume monotonically decreased over time by 61% from first scan to last scan.

Classification of connected component: linear.

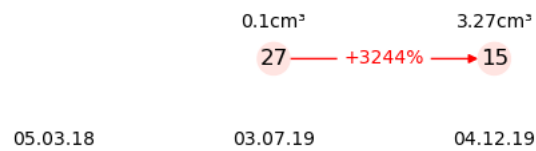
• The History of Lesion 14



Lesion volume has decreased by 23247% from previous scan to current scan. Volume monotonically decreased over time by 468% from first scan to last scan.

Classification of connected component: linear.

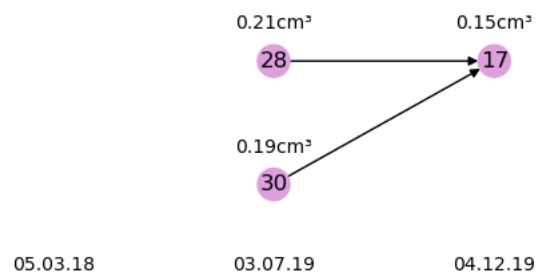
• The History of Lesion 15



Lesion volume has decreased by 872% from previous scan to current scan. Volume monotonically decreased over time by 592% from first scan to last scan.

Classification of connected component: linear.

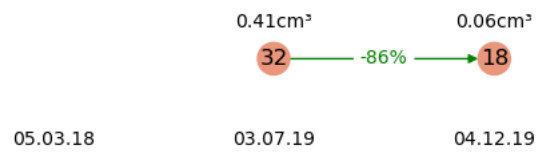
• The History of Lesion 17



Lesion volume has decreased by 95% from previous scan to current scan. Volume monotonically increased over time by 92% from first scan to last scan.

Classification of connected component: merge.

• The History of Lesion 18



Lesion volume has decreased by 99% from previous scan to current scan. Volume monotonically increased over time by 98% from first scan to last scan.

Classification of connected component: linear.