B. B. 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	5	0	0
1	0	0	0	0	6	5	0
2	0	3	0	0	1	8	0
3	0	0	2	1	0	7	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	0.4	-	-
1	1.32	+233%	+0.93
2	1.11	-16%	-0.21
3	0.95	-14%	-0.16

Individual Lesion Changes

New Lesions
Lesions 5, 8 appeared for the first time in the last scan.

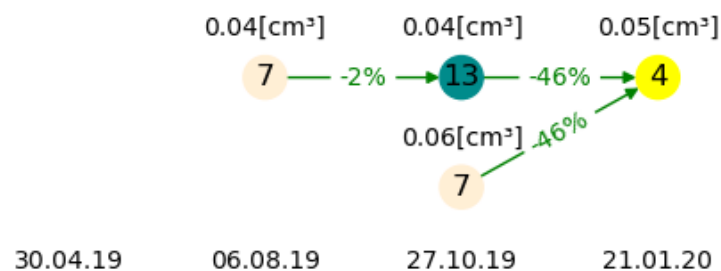## Disappeared Lesions
Over time, 3 lesions disappeared.
0 lesions were last identified in 30.04.19.
3 lesions were last identified in 06.08.19.
0 lesions were last identified in 27.10.19.
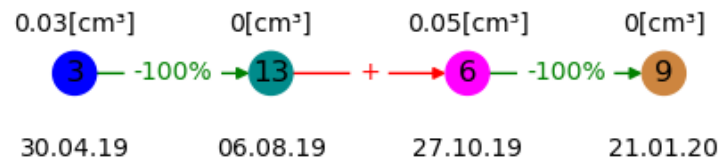
Lesions Appearing in Multiple Scans
• The History of Lesion 4

Lesion volume has decreased by 31% from previous scan to current scan. Volume shows both increases and decreases over time from first scan to last scan.

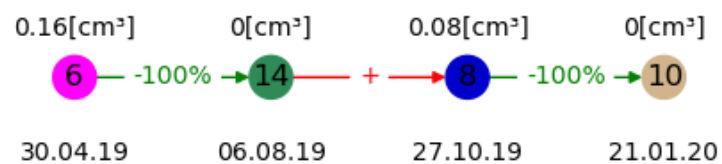Classification of connected component: merge.

• The History of Lesion 9

0.03[cm³]   0[cm³]   0.05[cm³]   0[cm³]

3 — -100% → 13 — + — → 6 — -100% → 9

30.04.19   06.08.19   27.10.19   21.01.20

Lesion volume has decreased by 182% from previous scan to current scan. Volume consistently increased over time by 182% from first scan to last scan.

Classification of connected component: linear.

• The History of Lesion 10

0.16[cm³]   0[cm³]   0.08[cm³]   0[cm³]

6 — -100% → 14 — + — → 8 — -100% → 10

30.04.19   06.08.19   27.10.19   21.01.20

Lesion volume has decreased by 49% from previous scan to current scan. Volume consistently increased over time by 49% from first scan to last scan.
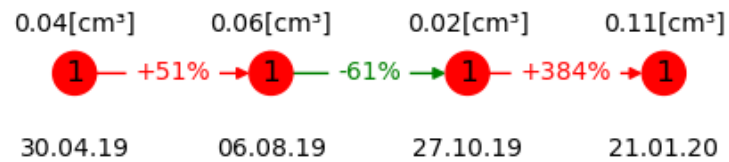
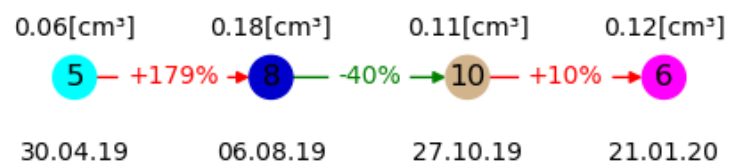Classification of connected component: linear.

• The History of Lesion 1

0.04[cm³]   0.06[cm³]   0.02[cm³]   0.11[cm³]

1 — +51% → **1** — -61% → **1** — +384% → **1**

30.04.19   06.08.19   27.10.19   21.01.20

Lesion volume has decreased by 384% from previous scan to current scan. Volume shows both increases and decreases over time from first scan to last scan.

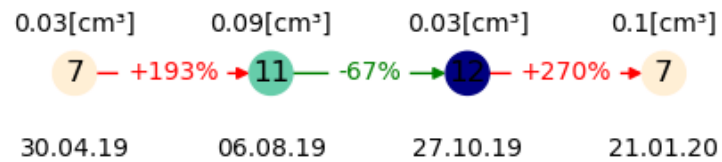Classification of connected component: linear.

• **The History of Lesion 6**

0.06[cm³]   0.18[cm³]   0.11[cm³]   0.12[cm³]

5 — +179% → **8** — -40% → **10** — +10% → **6**

30.04.19   06.08.19   27.10.19   21.01.20

Lesion volume has decreased by 147% from previous scan to current scan. Volume consistently decreased over time by 26% from first scan to last scan.

Classification of connected component: linear.

• **The History of Lesion 7**

0.03[cm³]	0.09[cm³]	0.03[cm³]	0.1[cm³]

7 — +193% → 11 — -67% → 12 — +270% → 7

| 30.04.19 | 06.08.19 | 27.10.19 | 21.01.20 |

Lesion volume has decreased by 85% from previous scan to current scan. Volume consistently increased over time by 253% from first scan to last scan.
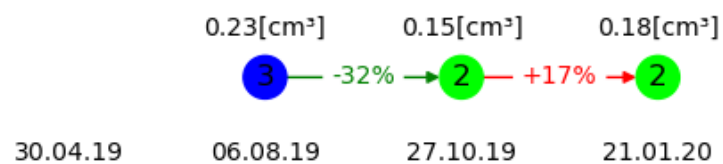
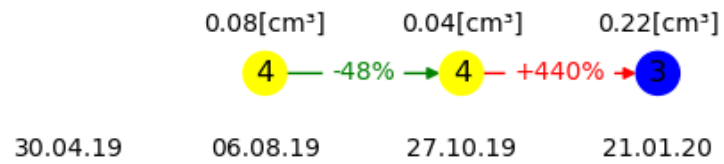Classification of connected component: linear.

• The History of Lesion 2

0.23[cm³]	0.15[cm³]	0.18[cm³]

3 — -32% → 2 — +17% → 2

| 30.04.19 | 06.08.19 | 27.10.19 | 21.01.20 |

Lesion volume has decreased by 17% from previous scan to current scan. Volume shows both increases and decreases over time from first scan to last scan.

Classification of connected component: linear.

• The History of Lesion 3

	0.08[cm³]	0.04[cm³]	0.22[cm³]
	4 —— -48% →	4 — +440% →	3
30.04.19	06.08.19	27.10.19	21.01.20

Lesion volume has decreased by 0% from previous scan to current scan. Volume shows both increases and decreases over time from first scan to last scan.

Classification of connected component: linear.