

Northside Forsyth Gamma Knife
Treatment Planning Protocol
for
Leksell Gamma Knife® Icon™
Leksell GammaPlan® 11.3.2

Patient: Seda, Rosa
Patient ID: 05934249
Diagnosis: Metastases - multiple
Diagnosis Code: R1802
Plan ID: 20250312-001
Approval Version: 11.3.2
Approval Time: 2025-03-12 12:27:36
Print Date: 2025-03-12
Operator: JK
Gamma Knife: 6240 (6240)


Previously Delivered Dose

Previously delivered dose from the following plan(s) is available as imported dose for dose evaluation:
20240801-002, 20241217-002.

Dose already delivered in previous plans must be taken into account when prescribing dose.

Approved for Treatment

3/12/25 12:23
Josh Reese *12:23 3/12/25*

NSH F 0896594 DOB: 04/24/1971 53Y
SEDA, ROSA
SIMON, EDMUND L 70011
2506403607 H 03/06/25 1100


Gamma Knife Data

| | |
|---|----------------------------|
| Calibration dose | 3.364 Gy/min at 2020-10-22 |
| Days since calibration at approval date | 1602 |
| Treatment dose rate (2025-03-12) | 1.887 Gy/min |
| Effective output factors (4, 8, 16) | 0.814, 0.9, 1 |
| Ring 1 output factors (4, 8, 16) | 0.812, 0.934, 0.961 |
| Ring 2 output factors (4, 8, 16) | 0.823, 0.919, 1.000 |
| Ring 3 output factors (4, 8, 16) | 0.795, 0.874, 0.981 |
| Ring 4 output factors (4, 8, 16) | 0.726, 0.782, 0.914 |
| Ring 5 output factors (4, 8, 16) | 0.664, 0.708, 0.847 |

Fixation Configuration

Mask

Treatment Data

| Target | Shots | Prescription | 100% [Gy] | Max [Gy] | X [mm] | Y [mm] | Z [mm] | Width [mm] |
|-------------------------------------|-------|---------------|--------------|-------------|-----------|-----------|-----------|---------------|
| B:LF retreat 9 Gy x 3+ margin | 35 | 27.0 Gy @ 53% | 50.9 | 50.9 | 134.7 | 102.3 | 56.5 | 42 |
| A:L temp | 11 | 27.0 Gy @ 68% | 39.7 | 39.7 | 127.7 | 59.5 | 104.3 | 29 |

Treatment Data (Continued)

Number of fractions: 3

Total number of shots: 46

Treatment plan name: Plan2

Dose algorithm: TMR 10

Dose grid resolution in targets: standard

Treatment Data Per Fraction

| Target | Shots | Prescription | 100% [Gy] | Max [Gy] | X [mm] | Y [mm] | Z [mm] | Width [mm] |
|-------------------------------------|-------|--------------|--------------|-------------|-----------|-----------|-----------|---------------|
| B:LF retreat 9 Gy x 3+ margin | 35 | 9.0 Gy @ 53% | 17.0 | 17.0 | 134.7 | 102.3 | 56.5 | 42 |
| A:L temp | 11 | 9.0 Gy @ 68% | 13.2 | 13.2 | 127.7 | 59.5 | 104.3 | 29 |

Total number of shots: 46

Treatment plan name: Plan2

Dose algorithm: TMR 10

Beam-on time: 36.3 min

Dose grid resolution in targets: standard

Run 1 (90 degrees)

| Run-Step | Shot | X [mm] | Y [mm] | Z [mm] | Collimator [sectors 1-8] | Time [min] | Notes |
|----------|------|-----------|-----------|-----------|-----------------------------|---------------|-------|
| 1-1 | B26 | 133.4 | 99.3 | 47.3 | 16 8 8 16 16 8 8 8 | 1.15 | |
| 1-2 | B27 | 133.4 | 99.3 | 47.3 | 16 16 8 8 16 8 8 8 | 0.78 | |
| 1-3 | B28 | 133.4 | 99.3 | 47.3 | B 8 8 8 16 8 8 8 | 0.48 | |
| 1-4 | B19 | 131.4 | 99.3 | 49.6 | 8 16 8 8 B B 8 8 | 0.63 | |
| 1-5 | B29 | 139.4 | 94.0 | 55.0 | 8 8 8 16 B 8 8 16 | 0.92 | |
| 1-6 | B30 | 139.4 | 94.0 | 55.0 | 8 8 8 16 B 8 8 8 | 0.18 | |
| 1-7 | B22 | 142.3 | 95.6 | 52.5 | 8 8 8 B 4 B 8 8 | 1.35 | |
| 1-8 | B23 | 142.3 | 95.6 | 52.5 | 8 8 8 4 4 B 8 16 | 0.66 | |
| 1-9 | B24 | 142.3 | 95.6 | 52.5 | 8 8 8 4 4 B B 16 | 0.56 | |
| 1-10 | B20 | 143.7 | 103.6 | 52.0 | 8 8 4 B 8 8 16 8 | 0.79 | |
| 1-11 | B21 | 143.7 | 103.6 | 52.0 | 8 8 B B 8 8 16 8 | 0.35 | |
| 1-12 | B10 | 141.4 | 104.3 | 51.6 | 8 16 16 8 8 8 16 16 | 0.81 | |
| 1-13 | B25 | 142.2 | 107.4 | 51.8 | 8 B B 8 8 8 8 8 | 0.64 | |
| 1-14 | B31 | 139.0 | 109.8 | 50.8 | 16 8 8 8 8 16 8 8 | 0.43 | |
| 1-15 | B32 | 139.0 | 109.8 | 50.8 | 4 4 8 8 8 16 8 8 | 0.28 | |
| 1-16 | B1 | 133.5 | 105.8 | 51.1 | 16 16 16 16 B 16 16 16 | 2.40 | |
| 1-17 | B2 | 133.5 | 105.8 | 51.1 | 16 16 16 8 B 16 16 8 | 0.45 | |
| 1-18 | B3 | 133.5 | 105.8 | 51.1 | 16 16 16 16 B 16 16 8 | 0.29 | |
| 1-19 | B11 | 126.9 | 101.8 | 55.1 | 8 4 4 B 8 B 16 8 | 0.64 | |
| 1-20 | B12 | 126.9 | 101.8 | 55.1 | 8 8 4 B B B 16 8 | 0.64 | |
| 1-21 | B13 | 126.9 | 101.8 | 55.1 | 8 16 4 16 8 B 16 8 | 0.39 | |
| 1-22 | B14 | 126.9 | 101.8 | 55.1 | 8 16 4 B 8 B 16 8 | 0.17 | |

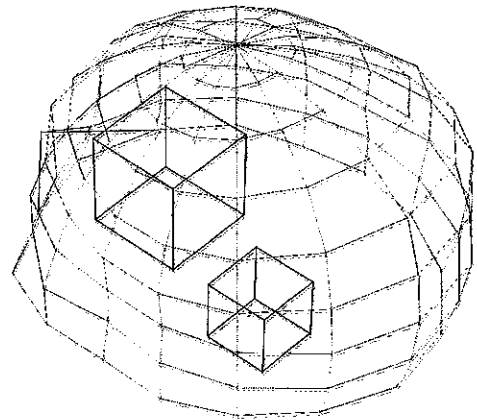
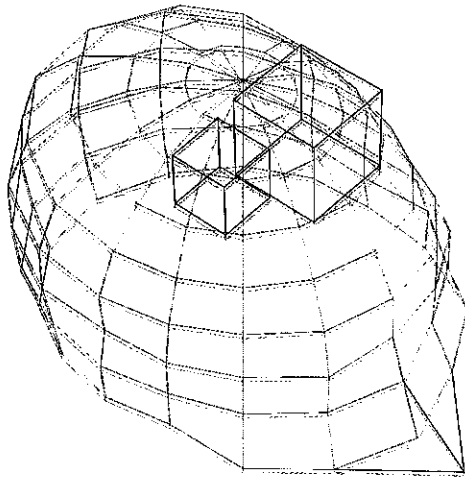
Run 1 (90 degrees) (Continued)

| Run-Step | Shot | X [mm] | Y [mm] | Z [mm] | Collimator [sectors 1-8] | Time [min] | Notes |
|----------|------|-----------|-----------|-----------|-----------------------------|---------------|-------|
| 1-23 | B6 | 128.9 | 105.8 | 61.6 | 8 B B 16 16 8 8 8 | 1.52 | |
| 1-24 | B7 | 128.9 | 105.8 | 61.6 | 16 8 B 16 16 8 B 8 | 0.37 | |
| 1-25 | B8 | 128.9 | 105.8 | 61.6 | 8 8 B 16 16 8 B 16 | 0.74 | |
| 1-26 | B9 | 128.9 | 105.8 | 61.6 | 8 8 B 16 16 8 B 8 | 0.18 | |
| 1-27 | B33 | 131.2 | 108.1 | 62.4 | 16 8 8 B 16 8 8 8 | 1.51 | |
| 1-28 | B34 | 141.8 | 104.4 | 64.3 | 8 8 8 8 8 16 16 8 | 0.82 | |
| 1-29 | B35 | 141.8 | 104.4 | 64.3 | 8 B 8 8 8 16 16 8 | 0.54 | |
| 1-30 | B4 | 141.4 | 102.3 | 63.1 | B 16 8 8 8 16 16 8 | 2.39 | |
| 1-31 | B5 | 141.4 | 102.3 | 63.1 | 8 16 8 8 8 8 16 8 | 0.82 | |
| 1-32 | B15 | 134.4 | 102.3 | 64.6 | B B 16 16 16 16 16 8 | 1.37 | |
| 1-33 | B16 | 134.4 | 102.3 | 64.6 | B B 8 B 16 16 16 16 | 1.12 | |
| 1-34 | B17 | 134.4 | 102.3 | 64.6 | B B 16 8 8 16 16 B | 0.85 | |
| 1-35 | B18 | 134.4 | 102.3 | 64.6 | B B 8 16 8 16 16 B | 0.40 | |
| 1-36 | A9 | 124.2 | 57.9 | 103.4 | 8 4 B 8 8 8 8 8 | 0.68 | |
| 1-37 | A10 | 124.2 | 57.9 | 103.4 | 8 4 B 4 8 8 8 8 | 0.19 | |
| 1-38 | A4 | 125.6 | 56.6 | 105.0 | 8 8 8 8 8 8 8 8 | 1.79 | |
| 1-39 | A1 | 127.3 | 59.6 | 104.4 | 8 16 16 16 16 8 16 4 | 1.55 | |
| 1-40 | A2 | 127.3 | 59.6 | 104.4 | 8 16 16 16 16 8 16 16 | 0.73 | |
| 1-41 | A3 | 127.3 | 59.6 | 104.4 | 8 16 16 16 8 8 16 8 | 0.44 | |
| 1-42 | A11 | 127.8 | 62.1 | 104.2 | 8 8 8 8 16 8 8 8 | 0.53 | |
| 1-43 | A5 | 128.8 | 63.2 | 104.7 | 8 8 8 8 16 8 8 8 | 0.76 | |
| 1-44 | A6 | 130.9 | 63.1 | 105.1 | 8 8 4 4 8 8 8 8 | 0.88 | |
| 1-45 | A7 | 130.9 | 63.1 | 105.1 | 4 8 4 4 8 8 8 4 | 0.29 | |
| 1-46 | A8 | 129.4 | 59.3 | 105.9 | 8 8 16 16 8 8 16 4 | 0.88 | |

Skull Geometry

Anterior right view

Posterior left view

**Shot Dose Data**

| Shot | Weight | Dose Rate at focus [Gy/min] | Extrapolated Skull Radii |
|------|--------|-----------------------------|--------------------------|
| B1 | 14.08 | 1.97 | 0 |
| B2 | 2.59 | 1.93 | 0 |
| B3 | 1.67 | 1.95 | 0 |
| B4 | 12.47 | 1.75 | 0 |
| B5 | 4.90 | 2.01 | 0 |
| B6 | 6.32 | 1.39 | 0 |
| B7 | 1.63 | 1.49 | 0 |
| B8 | 3.25 | 1.48 | 0 |
| B9 | 0.80 | 1.46 | 0 |
| B10 | 5.29 | 2.19 | 0 |
| B11 | 2.78 | 1.46 | 0 |
| B12 | 2.42 | 1.26 | 0 |
| B13 | 2.12 | 1.80 | 0 |
| B14 | 0.78 | 1.51 | 0 |
| B15 | 5.98 | 1.47 | 0 |
| B16 | 3.89 | 1.17 | 0 |
| B17 | 3.07 | 1.21 | 0 |
| B18 | 1.44 | 1.20 | 0 |
| B19 | 3.04 | 1.63 | 0 |
| B20 | 4.20 | 1.79 | 0 |
| B21 | 1.58 | 1.51 | 0 |
| B22 | 6.23 | 1.55 | 0 |

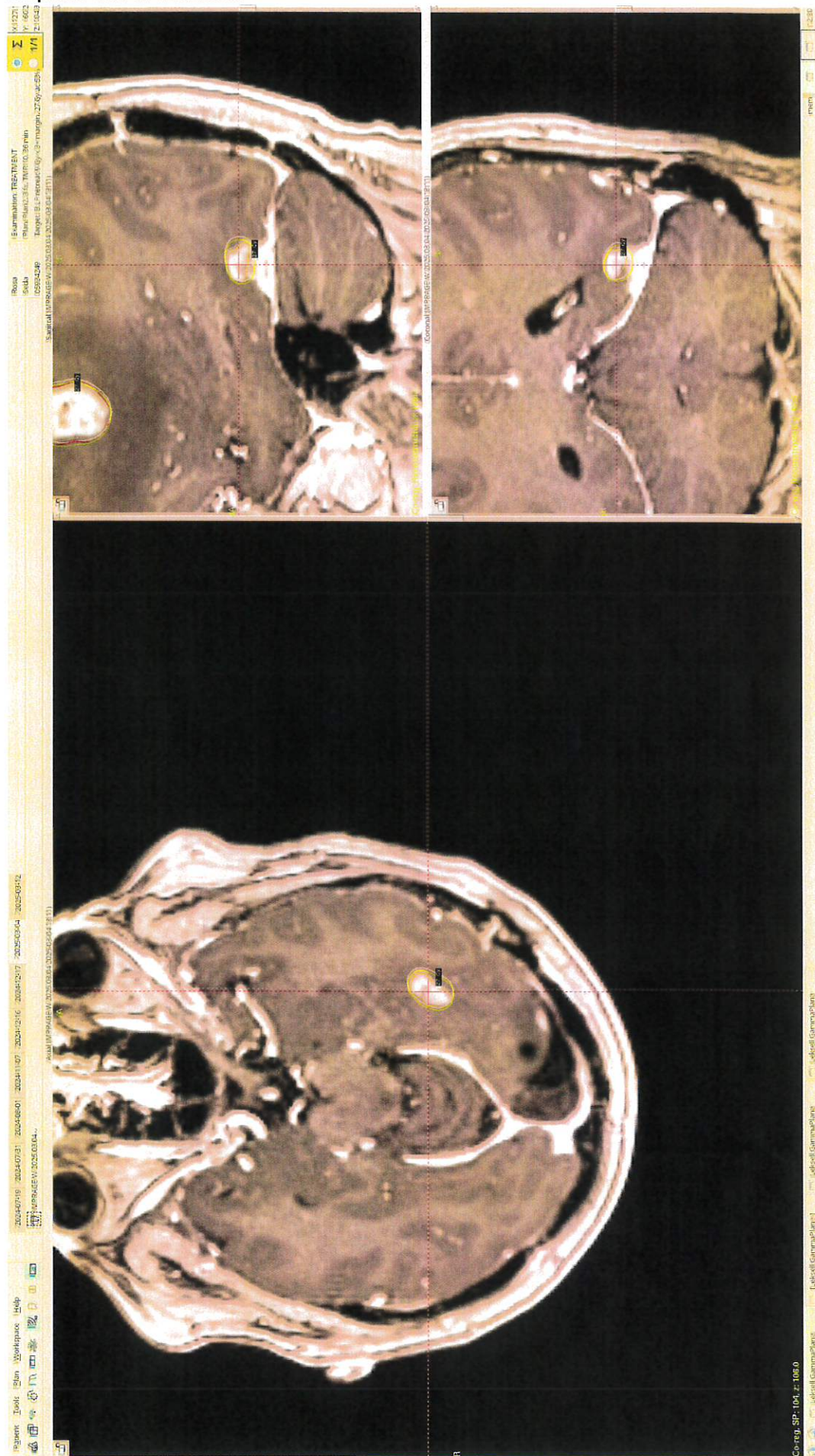
Shot Dose Data (Continued)

| Shot | Weight | Dose Rate at focus [Gy/min] | Extrapolated Skull Radii |
|-------------|---------------|------------------------------------|---------------------------------|
| B23 | 3.60 | 1.83 | 0 |
| B24 | 2.70 | 1.62 | 0 |
| B25 | 2.82 | 1.49 | 0 |
| B26 | 7.37 | 2.15 | 0 |
| B27 | 4.98 | 2.16 | 0 |
| B28 | 2.62 | 1.83 | 0 |
| B29 | 4.98 | 1.82 | 0 |
| B30 | 0.95 | 1.81 | 0 |
| B31 | 2.74 | 2.14 | 0 |
| B32 | 1.69 | 2.05 | 0 |
| B33 | 7.66 | 1.70 | 0 |
| B34 | 4.82 | 1.98 | 0 |
| B35 | 2.71 | 1.68 | 0 |
| A1 | 7.95 | 1.83 | 0 |
| A2 | 3.81 | 1.87 | 0 |
| A3 | 2.25 | 1.82 | 0 |
| A4 | 8.51 | 1.70 | 0 |
| A5 | 3.66 | 1.73 | 0 |
| A6 | 4.09 | 1.66 | 0 |
| A7 | 1.32 | 1.62 | 0 |
| A8 | 4.40 | 1.78 | 0 |
| A9 | 2.70 | 1.42 | 0 |
| A10 | 0.76 | 1.40 | 0 |
| A11 | 2.54 | 1.73 | 0 |

[illegible]

The figure displays three axial MRI brain scans. The top scan is a T1-weighted image showing a hyperintense lesion in the right hemisphere, outlined in yellow and labeled 'A'. The middle scan is a T2-weighted image showing the same lesion as hypointense. The bottom scan is a FLAIR image showing the lesion as hyperintense. The lesion is located in the right hemisphere, approximately at the level of the lateral ventricles. The scans are labeled 'A' in the top right corner.

Snapshot: 2025-03-12 12:30:23



Leksell Gamma Knife® Icon™

Operator's report

Clinical CBCT request

Patient name: Rosa Seda
Patient ID: 05934249
Diagnosis: Metastases - multiple, R1802
Scan date: 2025-03-12 [yyyy-mm-dd]
Operator: SW
LGK ID: 6240

CBCT scans

| Time [hh:mm:ss] | CBCT setting | CTDI [mGy] |
|-----------------|--------------|------------|
| 12:09:49 | CTDI 6.3 | 6.3 |

CBCT settings

| CBCT setting | CTDI [mGy] | Voltage [kV] | Current [mA] | Pulse length [ms] | Number of projections |
|--------------|------------|--------------|--------------|-------------------|-----------------------|
| CTDI 6.3 | 6.3 | 90 | 25 | 40 | 332 |

Leksell Gamma Knife® Icon™

Operator's report

Clinical treatment

Patient name: Rosa Seda
Patient ID: 05934249
Diagnosis: Metastases - multiple, R1802
Plan ID: 20250312-001
Treatment date: 2025-03-12 [yyyy-mm-dd]
Plan approval date: 2025-03-12 [yyyy-mm-dd]
Plan operator: JK
Fraction max dose [Gy]: 17.0
Fraction: 1 (3)
LGK ID: 6240

Overview

| | | | |
|--------------------------|-----------|--------------------|---------------------|
| <i>Treatment status:</i> | Completed | <i>Start time:</i> | 2025-03-12 12:31:15 |
| <i>Number of runs:</i> | 1 | <i>End time:</i> | 2025-03-12 13:11:18 |
| <i>Number of shots:</i> | 46 | | |

Comment:

| Run index | Fixation | Gamma | Number of shots |
|-----------|----------|-------|-----------------|
| 1 | Mask | 90 | 46 |

Treatment results

Leksell Gamma Knife® Icon™

Run index: 1

| Shot | X [mm] | Y [mm] | Z [mm] | Planned [min] | Elapsed [min] | Collimators | Clearance |
|------|--------|--------|--------|---------------|---------------|------------------------|-----------|
| B26 | 133.4 | 99.3 | 47.3 | 1.15 | 1.15 | 16,8,8,16,16,8,8,8 | - |
| B27 | 133.4 | 99.3 | 47.3 | 0.78 | 0.78 | 16,16,8,8,16,8,8,8 | - |
| B28 | 133.4 | 99.3 | 47.3 | 0.48 | 0.48 | B,8,8,8,16,8,8,8 | - |
| B19 | 131.4 | 99.3 | 49.6 | 0.63 | 0.63 | 8,16,8,8,B,B,8,8 | - |
| B29 | 139.4 | 94.0 | 55.0 | 0.92 | 0.92 | 8,8,8,16,B,8,8,16 | - |
| B30 | 139.4 | 94.0 | 55.0 | 0.18 | 0.18 | 8,8,8,16,B,8,8,8 | - |
| B22 | 142.3 | 95.6 | 52.5 | 1.35 | 1.35 | 8,8,8,B,4,B,8,8 | - |
| B23 | 142.3 | 95.6 | 52.5 | 0.66 | 0.66 | 8,8,8,4,4,B,8,16 | - |
| B24 | 142.3 | 95.6 | 52.5 | 0.56 | 0.56 | 8,8,8,4,4,B,B,16 | - |
| B20 | 143.7 | 103.6 | 52.0 | 0.79 | 0.79 | 8,8,4,B,8,8,16,8 | - |
| B21 | 143.7 | 103.6 | 52.0 | 0.35 | 0.35 | 8,8,B,B,8,8,16,8 | - |
| B10 | 141.4 | 104.3 | 51.6 | 0.81 | 0.81 | 8,16,16,8,8,8,16,16 | - |
| B25 | 142.2 | 107.4 | 51.8 | 0.64 | 0.64 | 8,B,B,8,8,8,8,8 | - |
| B31 | 139.0 | 109.8 | 50.8 | 0.43 | 0.43 | 16,8,8,8,8,16,8,8 | - |
| B32 | 139.0 | 109.8 | 50.8 | 0.28 | 0.28 | 4,4,8,8,8,16,8,8 | - |
| B1 | 133.5 | 105.8 | 51.1 | 2.40 | 2.40 | 16,16,16,16,B,16,16,16 | - |
| B2 | 133.5 | 105.8 | 51.1 | 0.45 | 0.45 | 16,16,16,8,B,16,16,8 | - |
| B3 | 133.5 | 105.8 | 51.1 | 0.29 | 0.29 | 16,16,16,16,B,16,16,8 | - |
| B11 | 126.9 | 101.8 | 55.1 | 0.64 | 0.64 | 8,4,4,B,8,B,16,8 | - |
| B12 | 126.9 | 101.8 | 55.1 | 0.64 | 0.64 | 8,8,4,B,B,B,16,8 | - |
| B13 | 126.9 | 101.8 | 55.1 | 0.39 | 0.40 | 8,16,4,16,8,B,16,8 | - |
| B14 | 126.9 | 101.8 | 55.1 | 0.17 | 0.17 | 8,16,4,B,8,B,16,8 | - |
| B6 | 128.9 | 105.8 | 61.6 | 1.52 | 1.52 | 8,B,B,16,16,8,8,8 | - |
| B7 | 128.9 | 105.8 | 61.6 | 0.37 | 0.37 | 16,8,B,16,16,8,B,8 | - |
| B8 | 128.9 | 105.8 | 61.6 | 0.74 | 0.74 | 8,8,B,16,16,8,B,16 | - |
| B9 | 128.9 | 105.8 | 61.6 | 0.18 | 0.18 | 8,8,B,16,16,8,B,8 | - |
| B33 | 131.2 | 108.1 | 62.4 | 1.51 | 1.51 | 16,8,8,B,16,8,8,8 | - |
| B34 | 141.8 | 104.4 | 64.3 | 0.82 | 0.82 | 8,8,8,8,8,16,16,8 | - |
| B35 | 141.8 | 104.4 | 64.3 | 0.54 | 0.54 | 8,B,8,8,8,16,16,8 | - |
| B4 | 141.4 | 102.3 | 63.1 | 2.39 | 2.39 | B,16,8,8,8,16,16,8 | - |
| B5 | 141.4 | 102.3 | 63.1 | 0.82 | 0.82 | 8,16,8,8,8,8,16,8 | - |
| B15 | 134.4 | 102.3 | 64.6 | 1.37 | 1.37 | B,B,16,16,16,16,16,8 | - |
| B16 | 134.4 | 102.3 | 64.6 | 1.12 | 1.12 | B,B,8,B,16,16,16,16 | - |
| B17 | 134.4 | 102.3 | 64.6 | 0.85 | 0.85 | B,B,16,8,8,16,16,B | - |
| B18 | 134.4 | 102.3 | 64.6 | 0.40 | 0.40 | B,B,8,16,8,16,16,B | - |
| A9 | 124.2 | 57.9 | 103.4 | 0.68 | 0.68 | 8,4,B,8,8,8,8,8 | - |
| A10 | 124.2 | 57.9 | 103.4 | 0.19 | 0.19 | 8,4,B,4,8,8,8,8 | - |
| A4 | 125.6 | 56.6 | 105.0 | 1.79 | 1.79 | 8,8,8,8,8,8,8,8 | - |
| A1 | 127.3 | 59.6 | 104.4 | 1.55 | 1.55 | 8,16,16,16,16,8,16,4 | - |
| A2 | 127.3 | 59.6 | 104.4 | 0.73 | 0.73 | 8,16,16,16,16,8,16,16 | - |
| A3 | 127.3 | 59.6 | 104.4 | 0.44 | 0.44 | 8,16,16,16,8,8,16,8 | - |
| A11 | 127.8 | 62.1 | 104.2 | 0.53 | 0.53 | 8,8,8,8,16,8,8,8 | - |
| A5 | 128.8 | 63.2 | 104.7 | 0.76 | 0.76 | 8,8,8,8,16,8,8,8 | - |
| A6 | 130.9 | 63.1 | 105.1 | 0.88 | 0.88 | 8,8,4,4,8,8,8,8 | - |
| A7 | 130.9 | 63.1 | 105.1 | 0.29 | 0.29 | 4,8,4,4,8,8,8,4 | - |
| A8 | 129.4 | 59.3 | 105.9 | 0.88 | 0.88 | 8,8,16,16,8,8,16,4 | - |

User name: op

Plan ID: 20250312-001
Treatment date: 2025-03-12 [yyyy-mm-dd]

Leksell Gamma Knife® Icon™

CBCT scans

| | | |
|------------------------|---------------------|-------------------|
| Time [hh:mm:ss] | CBCT setting | CTDI [mGy] |
| 12:27:32 | CTDI 2.5 | 2.5 |

CBCT settings

| | | | | | |
|---------------------|-------------------|---------------------|---------------------|--------------------------|------------------------------|
| CBCT setting | CTDI [mGy] | Voltage [kV] | Current [mA] | Pulse length [ms] | Number of projections |
| CTDI 2.5 | 2.5 | 90 | 10 | 40 | 332 |

Patient position

| Time [hh:mm:ss] | Correction applied | Completed shots | Rotation [degrees] | | | Translation [mm] | | |
|----------------------------|-------------------------------|---|---------------------------|----------|----------|-------------------------|----------|----------|
| | | | X | Y | Z | X | Y | Z |
| 12:29:45 | Yes | B26 B27 B28 B19 B29 B30 B22 B23 B24 B20 B21 B10 B25 B31 B32 B1 B2 B3 B11 B12 B13 B14 B6 B7 B8 B9 B33 B34 B35 B4 B5 B15 B16 B17 B18 A9 A10 A4 A1 A2 A3 A11 A5 A6 A7 A8 | 0.20 | -0.00 | 0.37 | -0.26 | 0.00 | 0.02 |

Events

| Time [hh:mm:ss] | Type |
|------------------------|-----------------------|
| 12:21:03 | HDMM system: Active |
| 12:21:03 | HDMM alarm level: 1.5 |
| 12:30:00 | HDMM reference set |
| 12:31:15 | Treatment started |
| 13:11:18 | Treatment completed |

Leksell Gamma Knife® Icon™

Operator's report

Clinical treatment

Patient name: Rosa Seda
Patient ID: 05934249
Diagnosis: Metastases - multiple, R1802
Plan ID: 20250312-001
Treatment date: 2025-03-13 [yyyy-mm-dd]
Plan approval date: 2025-03-12 [yyyy-mm-dd]
Plan operator: JK
Fraction max dose [Gy]: 17.0
Fraction: 2 (3)
LGK ID: 6240

Overview

| | | | |
|--------------------------|-----------|--------------------|---------------------|
| <i>Treatment status:</i> | Completed | <i>Start time:</i> | 2025-03-13 09:44:51 |
| <i>Number of runs:</i> | 1 | <i>End time:</i> | 2025-03-13 10:25:01 |
| <i>Number of shots:</i> | 46 | | |

Comment:

| Run index | Fixation | Gamma | Number of shots |
|-----------|----------|-------|-----------------|
| 1 | Mask | 90 | 46 |

Treatment results

Leksell Gamma Knife® Icon™

Run index: 1

| Shot | X [mm] | Y [mm] | Z [mm] | Planned [min] | Elapsed [min] | Collimators | Clearance |
|------|--------|--------|--------|---------------|---------------|------------------------|-----------|
| B26 | 133.4 | 99.3 | 47.3 | 1.15 | 1.15 | 16,8,8,16,16,8,8,8 | - |
| B27 | 133.4 | 99.3 | 47.3 | 0.78 | 0.78 | 16,16,8,8,16,8,8,8 | - |
| B28 | 133.4 | 99.3 | 47.3 | 0.48 | 0.48 | B,8,8,8,16,8,8,8 | - |
| B19 | 131.4 | 99.3 | 49.6 | 0.63 | 0.63 | 8,16,8,8,B,B,8,8 | - |
| B29 | 139.4 | 94.0 | 55.0 | 0.92 | 0.92 | 8,8,8,16,B,8,8,16 | - |
| B30 | 139.4 | 94.0 | 55.0 | 0.18 | 0.18 | 8,8,8,16,B,8,8,8 | - |
| B22 | 142.3 | 95.6 | 52.5 | 1.35 | 1.35 | 8,8,8,B,4,B,8,8 | - |
| B23 | 142.3 | 95.6 | 52.5 | 0.66 | 0.66 | 8,8,8,4,4,B,8,16 | - |
| B24 | 142.3 | 95.6 | 52.5 | 0.56 | 0.56 | 8,8,8,4,4,B,B,16 | - |
| B20 | 143.7 | 103.6 | 52.0 | 0.79 | 0.79 | 8,8,4,B,8,8,16,8 | - |
| B21 | 143.7 | 103.6 | 52.0 | 0.35 | 0.35 | 8,8,B,B,8,8,16,8 | - |
| B10 | 141.4 | 104.3 | 51.6 | 0.81 | 0.81 | 8,16,16,8,8,8,16,16 | - |
| B25 | 142.2 | 107.4 | 51.8 | 0.64 | 0.64 | 8,B,B,8,8,8,8,8 | - |
| B31 | 139.0 | 109.8 | 50.8 | 0.43 | 0.43 | 16,8,8,8,8,16,8,8 | - |
| B32 | 139.0 | 109.8 | 50.8 | 0.28 | 0.28 | 4,4,8,8,8,16,8,8 | - |
| B1 | 133.5 | 105.8 | 51.1 | 2.40 | 2.40 | 16,16,16,16,B,16,16,16 | - |
| B2 | 133.5 | 105.8 | 51.1 | 0.45 | 0.45 | 16,16,16,8,B,16,16,8 | - |
| B3 | 133.5 | 105.8 | 51.1 | 0.29 | 0.29 | 16,16,16,16,B,16,16,8 | - |
| B11 | 126.9 | 101.8 | 55.1 | 0.64 | 0.64 | 8,4,4,B,8,B,16,8 | - |
| B12 | 126.9 | 101.8 | 55.1 | 0.64 | 0.64 | 8,8,4,B,B,B,16,8 | - |
| B13 | 126.9 | 101.8 | 55.1 | 0.39 | 0.40 | 8,16,4,16,8,B,16,8 | - |
| B14 | 126.9 | 101.8 | 55.1 | 0.17 | 0.17 | 8,16,4,B,8,B,16,8 | - |
| B6 | 128.9 | 105.8 | 61.6 | 1.52 | 1.52 | 8,B,B,16,16,8,8,8 | - |
| B7 | 128.9 | 105.8 | 61.6 | 0.37 | 0.37 | 16,8,B,16,16,8,B,8 | - |
| B8 | 128.9 | 105.8 | 61.6 | 0.74 | 0.74 | 8,8,B,16,16,8,B,16 | - |
| B9 | 128.9 | 105.8 | 61.6 | 0.18 | 0.18 | 8,8,B,16,16,8,B,8 | - |
| B33 | 131.2 | 108.1 | 62.4 | 1.51 | 1.51 | 16,8,8,B,16,8,8,8 | - |
| B34 | 141.8 | 104.4 | 64.3 | 0.82 | 0.82 | 8,8,8,8,8,16,16,8 | - |
| B35 | 141.8 | 104.4 | 64.3 | 0.54 | 0.54 | 8,B,8,8,8,16,16,8 | - |
| B4 | 141.4 | 102.3 | 63.1 | 2.39 | 2.39 | B,16,8,8,8,16,16,8 | - |
| B5 | 141.4 | 102.3 | 63.1 | 0.82 | 0.82 | 8,16,8,8,8,8,16,8 | - |
| B15 | 134.4 | 102.3 | 64.6 | 1.37 | 1.37 | B,B,16,16,16,16,16,8 | - |
| B16 | 134.4 | 102.3 | 64.6 | 1.12 | 1.12 | B,B,8,B,16,16,16,16 | - |
| B17 | 134.4 | 102.3 | 64.6 | 0.85 | 0.85 | B,B,16,8,8,16,16,B | - |
| B18 | 134.4 | 102.3 | 64.6 | 0.40 | 0.40 | B,B,8,16,8,16,16,B | - |
| A9 | 124.2 | 57.9 | 103.4 | 0.68 | 0.68 | 8,4,B,8,8,8,8,8 | - |
| A10 | 124.2 | 57.9 | 103.4 | 0.19 | 0.19 | 8,4,B,4,8,8,8,8 | - |
| A4 | 125.6 | 56.6 | 105.0 | 1.79 | 1.79 | 8,8,8,8,8,8,8,8 | - |
| A1 | 127.3 | 59.6 | 104.4 | 1.55 | 1.55 | 8,16,16,16,16,8,16,4 | - |
| A2 | 127.3 | 59.6 | 104.4 | 0.73 | 0.73 | 8,16,16,16,16,8,16,16 | - |
| A3 | 127.3 | 59.6 | 104.4 | 0.44 | 0.44 | 8,16,16,16,8,8,16,8 | - |
| A11 | 127.8 | 62.1 | 104.2 | 0.53 | 0.53 | 8,8,8,8,16,8,8,8 | - |
| A5 | 128.8 | 63.2 | 104.7 | 0.76 | 0.76 | 8,8,8,8,16,8,8,8 | - |
| A6 | 130.9 | 63.1 | 105.1 | 0.88 | 0.88 | 8,8,4,4,8,8,8,8 | - |
| A7 | 130.9 | 63.1 | 105.1 | 0.29 | 0.29 | 4,8,4,4,8,8,8,4 | - |
| A8 | 129.4 | 59.3 | 105.9 | 0.88 | 0.88 | 8,8,16,16,8,8,16,4 | - |

User name: op

Plan ID: 20250312-001
Treatment date: 2025-03-13 [yyyy-mm-dd]

Leksell Gamma Knife® Icon™

CBCT scans

| Time [hh:mm:ss] | CBCT setting | CTDI [mGy] |
|-----------------|--------------|------------|
| 09:40:36 | CTDI 2.5 | 2.5 |

CBCT settings

| CBCT setting | CTDI [mGy] | Voltage [kV] | Current [mA] | Pulse length [ms] | Number of projections |
|--------------|------------|--------------|--------------|-------------------|-----------------------|
| CTDI 2.5 | 2.5 | 90 | 10 | 40 | 332 |

Patient position

| Time [hh:mm:ss] | Correction applied | Completed shots | Rotation [degrees] | | | Translation [mm] | | |
|--------------------|-----------------------|---|--------------------|-------|-------|------------------|-------|------|
| | | | X | Y | Z | X | Y | Z |
| 09:43:27 | Yes | B26 B27 B28 B19 B29 B30 B22 B23 B24 B20 B21 B10 B25 B31 B32 B1 B2 B3 B11 B12 B13 B14 B6 B7 B8 B9 B33 B34 B35 B4 B5 B15 B16 B17 B18 A9 A10 A4 A1 A2 A3 A11 A5 A6 A7 A8 | 0.29 | -0.68 | -0.51 | 0.23 | -0.09 | 0.52 |

Events

| Time [hh:mm:ss] | Type |
|-----------------|---|
| 09:32:15 | HDMM system: Active |
| 09:32:15 | HDMM alarm level: 1.5 |
| 09:43:50 | HDMM reference set |
| 09:44:51 | Treatment started |
| 10:03:29 | Treatment gated, shot: B7 (at 0.22 min) |
| 10:03:33 | Treatment resumed |
| 10:25:01 | Treatment completed |

Leksell Gamma Knife® Icon™

Operator's report

Clinical treatment

Patient name: Rosa Seda
Patient ID: 05934249
Diagnosis: Metastases - multiple, R1802
Plan ID: 20250312-001
Treatment date: 2025-03-14 [yyyy-mm-dd]
Plan approval date: 2025-03-12 [yyyy-mm-dd]
Plan operator: JK
Fraction max dose [Gy]: 17.0
Fraction: 3 (3)
LGK ID: 6240

Overview

| | | | |
|--------------------------|-----------|--------------------|---------------------|
| <i>Treatment status:</i> | Completed | <i>Start time:</i> | 2025-03-14 11:40:48 |
| <i>Number of runs:</i> | 1 | <i>End time:</i> | 2025-03-14 12:20:53 |
| <i>Number of shots:</i> | 46 | | |

Comment:

| Run index | Fixation | Gamma | Number of shots |
|-----------|----------|-------|-----------------|
| 1 | Mask | 90 | 46 |

Treatment results

Leksell Gamma Knife® Icon™

Run index: 1

| Shot | X [mm] | Y [mm] | Z [mm] | Planned [min] | Elapsed [min] | Collimators | Clearance |
|------|--------|--------|--------|---------------|---------------|------------------------|-----------|
| B26 | 133.4 | 99.3 | 47.3 | 1.15 | 1.15 | 16,8,8,16,16,8,8,8 | - |
| B27 | 133.4 | 99.3 | 47.3 | 0.78 | 0.78 | 16,16,8,8,16,8,8,8 | - |
| B28 | 133.4 | 99.3 | 47.3 | 0.48 | 0.48 | B,8,8,8,16,8,8,8 | - |
| B19 | 131.4 | 99.3 | 49.6 | 0.63 | 0.63 | 8,16,8,8,B,B,8,8 | - |
| B29 | 139.4 | 94.0 | 55.0 | 0.92 | 0.92 | 8,8,8,16,B,8,8,16 | - |
| B30 | 139.4 | 94.0 | 55.0 | 0.18 | 0.18 | 8,8,8,16,B,8,8,8 | - |
| B22 | 142.3 | 95.6 | 52.5 | 1.35 | 1.35 | 8,8,8,B,4,B,8,8 | - |
| B23 | 142.3 | 95.6 | 52.5 | 0.66 | 0.66 | 8,8,8,4,4,B,8,16 | - |
| B24 | 142.3 | 95.6 | 52.5 | 0.56 | 0.56 | 8,8,8,4,4,B,B,16 | - |
| B20 | 143.7 | 103.6 | 52.0 | 0.79 | 0.79 | 8,8,4,B,8,8,16,8 | - |
| B21 | 143.7 | 103.6 | 52.0 | 0.35 | 0.35 | 8,8,B,B,8,8,16,8 | - |
| B10 | 141.4 | 104.3 | 51.6 | 0.81 | 0.81 | 8,16,16,8,8,8,16,16 | - |
| B25 | 142.2 | 107.4 | 51.8 | 0.64 | 0.64 | 8,B,B,8,8,8,8,8 | - |
| B31 | 139.0 | 109.8 | 50.8 | 0.43 | 0.43 | 16,8,8,8,8,16,8,8 | - |
| B32 | 139.0 | 109.8 | 50.8 | 0.28 | 0.28 | 4,4,8,8,8,16,8,8 | - |
| B1 | 133.5 | 105.8 | 51.1 | 2.40 | 2.40 | 16,16,16,16,B,16,16,16 | - |
| B2 | 133.5 | 105.8 | 51.1 | 0.45 | 0.45 | 16,16,16,8,B,16,16,8 | - |
| B3 | 133.5 | 105.8 | 51.1 | 0.29 | 0.29 | 16,16,16,16,B,16,16,8 | - |
| B11 | 126.9 | 101.8 | 55.1 | 0.64 | 0.64 | 8,4,4,B,8,B,16,8 | - |
| B12 | 126.9 | 101.8 | 55.1 | 0.64 | 0.64 | 8,8,4,B,B,B,16,8 | - |
| B13 | 126.9 | 101.8 | 55.1 | 0.39 | 0.40 | 8,16,4,16,8,B,16,8 | - |
| B14 | 126.9 | 101.8 | 55.1 | 0.17 | 0.17 | 8,16,4,B,8,B,16,8 | - |
| B6 | 128.9 | 105.8 | 61.6 | 1.52 | 1.52 | 8,B,B,16,16,8,8,8 | - |
| B7 | 128.9 | 105.8 | 61.6 | 0.37 | 0.37 | 16,8,B,16,16,8,B,8 | - |
| B8 | 128.9 | 105.8 | 61.6 | 0.74 | 0.74 | 8,8,B,16,16,8,B,16 | - |
| B9 | 128.9 | 105.8 | 61.6 | 0.18 | 0.18 | 8,8,B,16,16,8,B,8 | - |
| B33 | 131.2 | 108.1 | 62.4 | 1.51 | 1.51 | 16,8,8,B,16,8,8,8 | - |
| B34 | 141.8 | 104.4 | 64.3 | 0.82 | 0.82 | 8,8,8,8,8,16,16,8 | - |
| B35 | 141.8 | 104.4 | 64.3 | 0.54 | 0.54 | 8,B,8,8,8,16,16,8 | - |
| B4 | 141.4 | 102.3 | 63.1 | 2.39 | 2.39 | B,16,8,8,8,16,16,8 | - |
| B5 | 141.4 | 102.3 | 63.1 | 0.82 | 0.82 | 8,16,8,8,8,8,16,8 | - |
| B15 | 134.4 | 102.3 | 64.6 | 1.37 | 1.37 | B,B,16,16,16,16,16,8 | - |
| B16 | 134.4 | 102.3 | 64.6 | 1.12 | 1.12 | B,B,8,B,16,16,16,16 | - |
| B17 | 134.4 | 102.3 | 64.6 | 0.85 | 0.85 | B,B,16,8,8,16,16,B | - |
| B18 | 134.4 | 102.3 | 64.6 | 0.40 | 0.40 | B,B,8,16,8,16,16,B | - |
| A9 | 124.2 | 57.9 | 103.4 | 0.68 | 0.68 | 8,4,B,8,8,8,8,8 | - |
| A10 | 124.2 | 57.9 | 103.4 | 0.19 | 0.19 | 8,4,B,4,8,8,8,8 | - |
| A4 | 125.6 | 56.6 | 105.0 | 1.79 | 1.79 | 8,8,8,8,8,8,8,8 | - |
| A1 | 127.3 | 59.6 | 104.4 | 1.55 | 1.55 | 8,16,16,16,16,8,16,4 | - |
| A2 | 127.3 | 59.6 | 104.4 | 0.73 | 0.73 | 8,16,16,16,16,8,16,16 | - |
| A3 | 127.3 | 59.6 | 104.4 | 0.44 | 0.44 | 8,16,16,16,8,8,16,8 | - |
| A11 | 127.8 | 62.1 | 104.2 | 0.53 | 0.53 | 8,8,8,8,16,8,8,8 | - |
| A5 | 128.8 | 63.2 | 104.7 | 0.76 | 0.76 | 8,8,8,8,16,8,8,8 | - |
| A6 | 130.9 | 63.1 | 105.1 | 0.88 | 0.88 | 8,8,4,4,8,8,8,8 | - |
| A7 | 130.9 | 63.1 | 105.1 | 0.29 | 0.29 | 4,8,4,4,8,8,8,4 | - |
| A8 | 129.4 | 59.3 | 105.9 | 0.88 | 0.88 | 8,8,16,16,8,8,8,16,4 | - |

User name: op

Plan ID: 20250312-001
Treatment date: 2025-03-14 [yyyy-mm-dd]

Leksell Gamma Knife® Icon™

CBCT scans

| | | |
|------------------------|---------------------|-------------------|
| Time [hh:mm:ss] | CBCT setting | CTDI [mGy] |
| 11:36:35 | CTDI 2.5 | 2.5 |

CBCT settings

| | | | | | |
|---------------------|-------------------|---------------------|---------------------|--------------------------|------------------------------|
| CBCT setting | CTDI [mGy] | Voltage [kV] | Current [mA] | Pulse length [ms] | Number of projections |
| CTDI 2.5 | 2.5 | 90 | 10 | 40 | 332 |

Patient position

| Time [hh:mm:ss] | Correction applied | Completed shots | Rotation [degrees] | | | Translation [mm] | | |
|----------------------------|-------------------------------|---|---------------------------|----------|----------|-------------------------|----------|----------|
| | | | X | Y | Z | X | Y | Z |
| 11:39:33 | Yes | B26 B27 B28 B19 B29 B30 B22 B23 B24 B20 B21 B10 B25 B31 B32 B1 B2 B3 B11 B12 B13 B14 B6 B7 B8 B9 B33 B34 B35 B4 B5 B15 B16 B17 B18 A9 A10 A4 A1 A2 A3 A11 A5 A6 A7 A8 | -0.40 | -0.62 | -0.06 | -0.03 | 0.23 | 0.37 |

Events

| Time [hh:mm:ss] | Type |
|------------------------|-----------------------|
| 10:35:00 | HDMM system: Active |
| 10:35:00 | HDMM alarm level: 1.5 |
| 11:39:40 | HDMM reference set |
| 11:40:48 | Treatment started |
| 12:20:53 | Treatment completed |