Table SI. Stereotactic radiation therapy summary.

| Parameter               | Description                                                                 |
|-------------------------|----------------------------------------------------------------------------|
| Treatment machine       | Varian TrueBeam linear accelerator                                         |
| Treatment planning system | RayStation 7                                                              |
| Beam energy             | 6 MV flattening filter free photon beam                                    |
| Technique               | Volumetric modulated arc therapy with 2 beams total (i.e., 1 clockwise beam and 1 counterclockwise beam) |
| Target volumes          | The GTV was contoured using CT and MRI imaging, and the PTV was created using a 2-mm isotropic expansion around the GTV. A CTV was not utilized as per institutional standard |
| Prescription objectives | D95% ≥100% and R100% ≥0.83                                                 |
| Patient position        | Supine, headfirst, arms on chest, knee-fix underneath legs                 |
| Patient immobilization  | Thermoplastic shell fitted around the patient's head and secured to the treatment table |
| Image verification      | Daily cone-beam CT                                                         |

CTV, clinical target volume; GTV, gross tumour volume; PTV, planning target volume; D95% ≥100%, dose to 95% of the PTV volume to be greater than or equal to 100% of the prescription dose; R100% ≥0.83, conformity index of at least 0.83 at the 100% isodose line.