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The revival of the trigeminal neuralgia SRS

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Introduction and objective. The NT is a crippling disease. If it does not respond to treatment or surgery, Radiosurgery is a treatment method with results >50%. The purpose of this video is to show the peculiarities of localization, planning and treatment.

Materials and methods. We have used imaging systems and digital home videos using cameras during a procedure as performed in our center (Meixoeiro). For editing and assembling we used free systems. They are based on Linux. We used: openshot, audacity and free renderization system.

Results. We observed that the location is performed with subarachnoid injected contrast, then placing the patient in Trendelenburg position, and then the stereotactic arc is located on patient, followed by a CT. CT shows cisternal contrast uptake then the trigeminal nerve path is seen to the trigeminal pore. MRI is used for fusion with CT images; planning cones isocenter >2 mm after trigeminus exit of the brain stem. Prescription dose was 65 Gy and then the isocenter is checked to ensure accuracy in each arc before treatment ensures the accuracy of the patient. *Conclusions.* The process with the location protocol, treatment planning and use are very safe and feasible to perform as shown in the video. It is possible to use free program files tools to make a good movie.

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