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## C0125 - ELICITING SMILE AND LAUGHTER DURING THE BRAIN MAPPING FOR THE RESECTION OF A RIGHT SUPERIOR FRONTAL GYRUS ASTROCYTOMA

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### Resumen

**Objectives:** The cerebral representation of laughter is unclear. Prior studies had elicited laughter during electrical stimulation of the supplementary motor area and the cingulum with depth electrodes.

**Methods:** The present video reports a right superior frontal gyrus astrocytoma resection with awake intraoperative electrical stimulation mapping.

**Results:** The subcortical stimulation at the cingulate fasciculus elicited patient smile and laughter without mirth or merriment.

**Conclusions:** The present finding supports the role of the cingulate fasciculus in the motor aspect of laughter.