Table 1: Surgical procedures for managing trigeminal neuralgia without clear neurovascular compression.

Procedure	Pros	Cons
Glycerol injections	Low risk; Inexpensive;	High recurrence rates; Risk of
	Small impact on facial	dyesthesias; Specific to elderly
	sensation	and weak populations
Radiofrequency ablation	Good immediate pain relief	Risk of recurrence and sensory
	rate; Low complication	paresthesias
	rates; Easily repeated	
Stereotactic Radiosurgery	Noninvasive; Easily	Higher rates of recurrence
	repeated	
Partial sensory rhizotomy	Good long-term results	Invasive; results in facial
		numbness
Balloon rhizotomy	Good immediate pain relief	High recurrence rates after short
	rate	periods of time
Internal neurolysis	Produces durable results	Invasive; Results in post-
	comparable to partial	operative facial numbness and
	sensory rhizotomy	dyesthesias; may lead to quality
		of life concerns
Microvascular	Good success rates for	Invasive; Not clearly beneficial in
decompression	patients with typical	patients without arterial vascular
	trigeminal neuralgia	compression
Tractotomy of the	Better long-term success	Invasive; not replicated at other
descending spinal tract of	reported so far; no reported	institutions
the trigeminal nerve	permanent iatrogenic	
	neurologic complications	