



Treatment of saphenous neuropathy by placing 60-day saphenous peripheral nerve stimulator

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INTRO

- Saphenous nerve injury is a known but uncommon complication of **total knee arthroplasty**
- Peripheral nerve stimulator (PNS) successfully utilized in **post total knee arthroplasty (TKA) nerve injury**

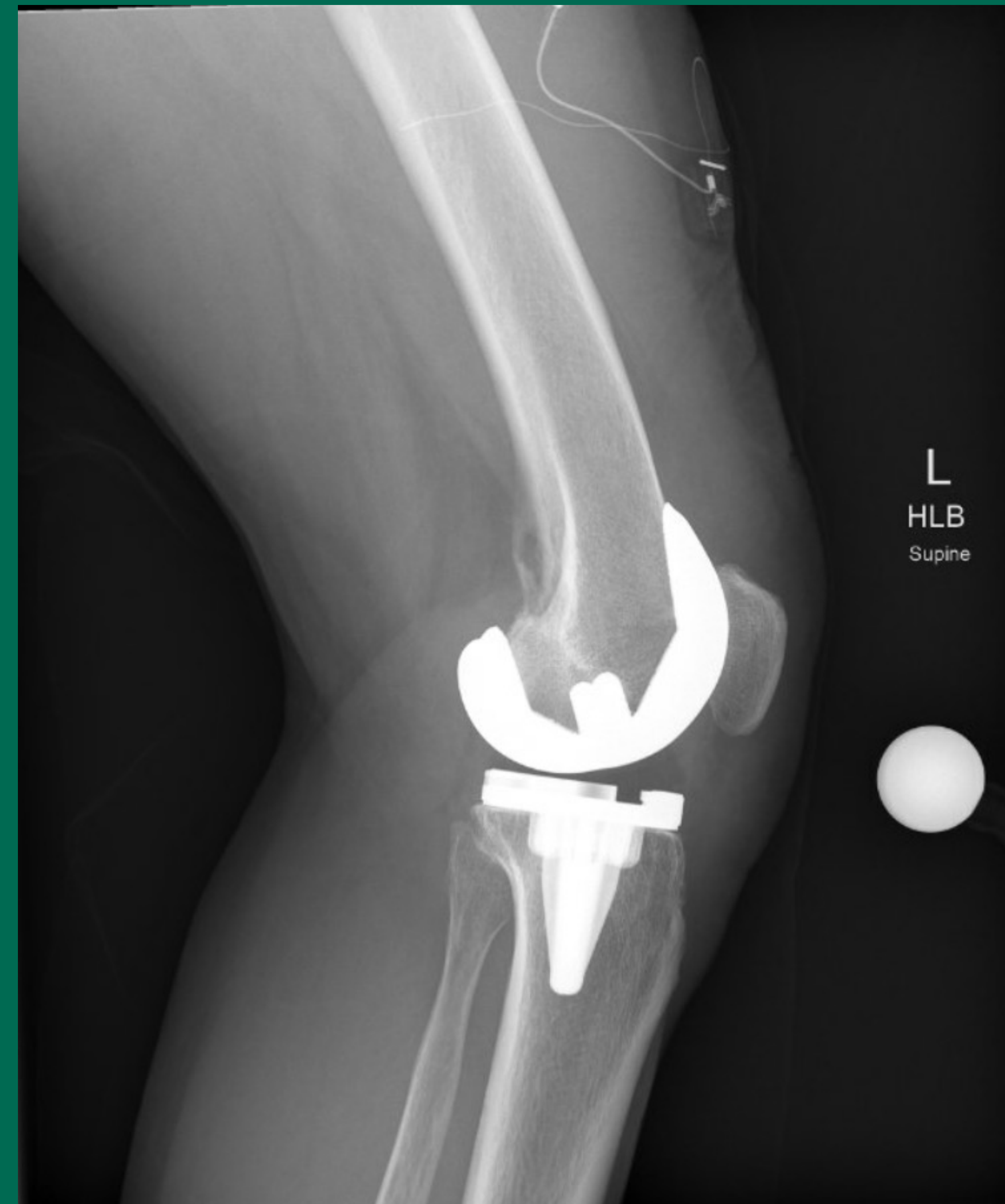
CASE

- 60 year old female with **17 months of right saphenous neuropathy**
- EMG demonstrated **left saphenous neuropathy with absent sensory nerve conduction**
- Diagnostic saphenous nerve block provided **temporary relief**
- Initial PNS placement failed due to lack of coverage, second PNS placement successful
- 75% pain relief for the past 7 months**

DISCUSSION

- Unique application of **peripheral nerve stimulation** in management of post TKA saphenous neuropathy
- Second PNS attempt successful shows **importance of precise lead placement and paresthesia mapping**

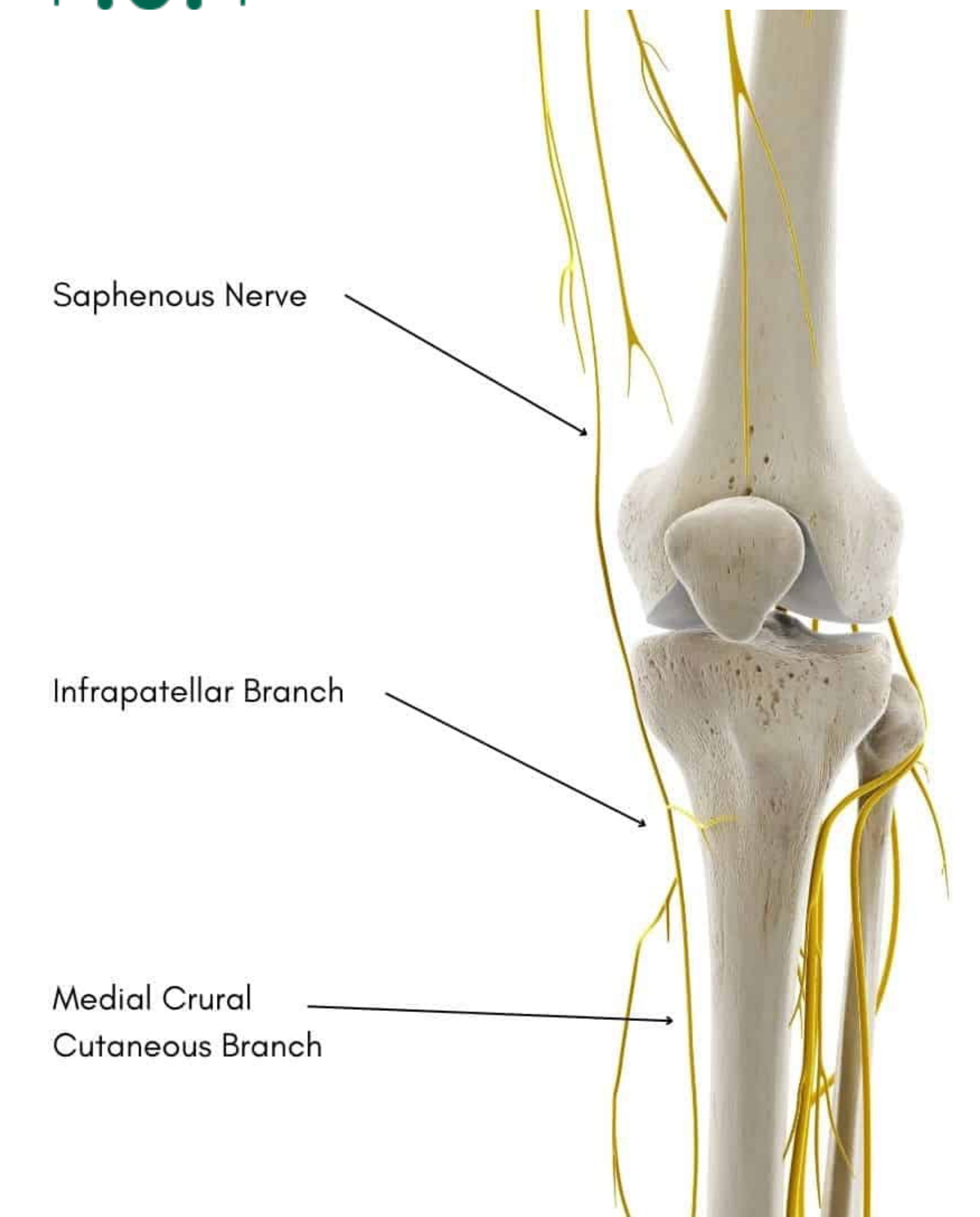
Successful peripheral nerve stimulation in saphenous neuropathy occurring as a complication of total knee arthroplasty



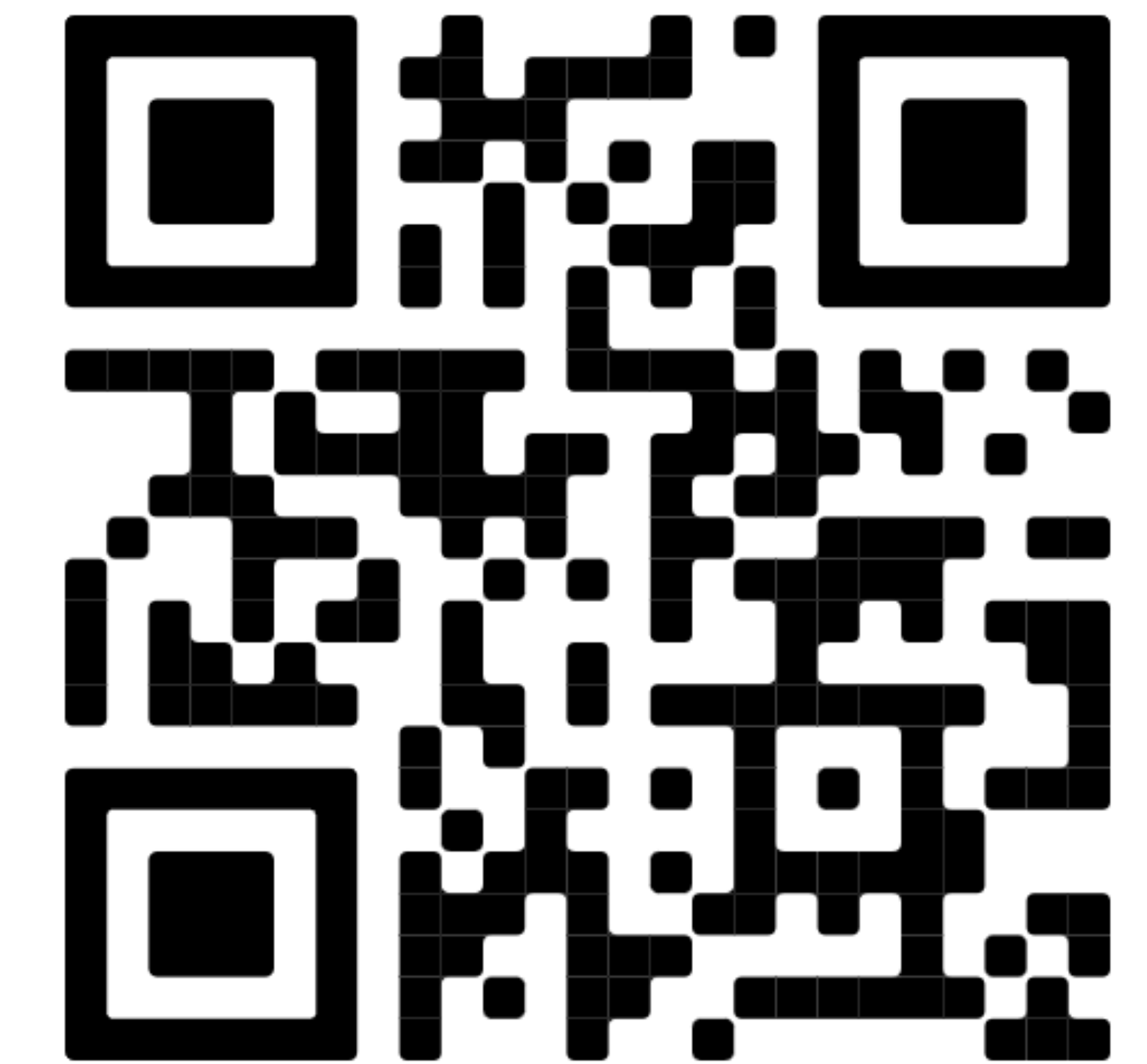
Fluoroscopic confirmation of the saphenous peripheral nerve stimulator



Final office visit prior to removal



Saphenous nerve anterior view¹



Scan for **full abstract**

¹ Saphenous Nerve Anatomy and function. (2017). <https://james-mccormack.com/advice-centre/saphenous-nerve-pain/>. <https://james-mccormack.com/wp-content/uploads/2022/09/Saphenous-Nerve.jpg>