

CALCIUM HYDROXIDE :NAVIGATING A THIN LINE BETWEEN USE AND ABUSE



Swelling



Swelling visible on the palate



Trauma at injection site



Erythema

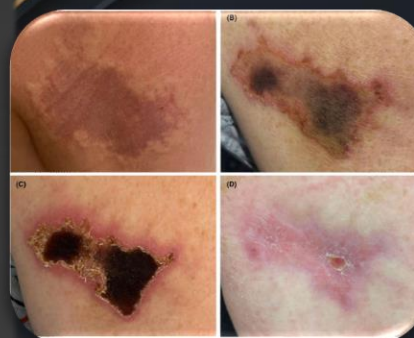


Tissue necrosis



Spaghetti phenomenon

NICOLAU SYNDROME



➤ 16year old patient with permanent facial scarring.

➤ This extreme case is due to extrusion of calcium hydroxide extruded in IA artery



NICOLAU SYNDROME IS DESCRIBED AS IATROGENIC ISCHEMIC NECROSIS OF SKIN AND DEEPER TISSUE



Help ! How Do I Prevent and Manage Ca(OH)₂ Extrusion Injuries?

- Always assess radiographs and CBCT images
- Special care to prevent overinstrumentation & overextrusion

Kang Q, Huang Z, Qian W. Nicolau syndrome with severe facial ischemic necrosis after endodontic treatment: a case report. Journal of Endodontics. 2024 May 1;50(5):680-6.