

NICOLAU SYNDROME :

Also called as : Embolia cutis medicamentosa is very rare iatrogenic condition that is currently not well understood.

Named after Frenach dermatologist, Dr. Marion Nicolau

Reaction Includes:

Rare cutaneous adverse reaction at the site of an intramuscular or intra-articular injection of a particular drug



- Severe pain around the injection site
- Inflammation of the arteries
- Acute Vasospasm
- Ischemia
- haemorrhagic or livedoid reticular patch
- Skin, Subcutaneous Fat, and Muscle develop necrosis or an ulcer and subsequently heal with scar formation



A DOWNSIDE OF CALCIUM HYDROXIDE

If displaced into soft tissues

Long lasting consequences

"Exposure of nerve tissue to calcium hydroxide for 30 minutes can cause permanent damage."

No definitive treatment of Nicolau Syndrome :

- **Known Treatment Strategies**
- Necrotic gingival zone was treated with rinses of hydrogen peroxide 3% and chlorhexidine 2% in water once every 2 or 3 days for 2 weeks.
- Daily application (twice a day) of chlorhexidine digluconate 10 mg/g gel (Corsodyl gel) was prescribed.
- **Surgical Intervention**

