

DATE: 22 June 2024

PRODUCT: Cryosurgical Kits

SUBJECT: Use of Cryosurgery vs Acids to Treat Topical Benign Lesions

The targeted destruction of benign topical growths may be accomplished in several ways. The clinician must ultimately make the decision on the lesion type, patient tolerance, and time available.

This document was written as a primer for practitioners considering cryosurgery compared to acids to facilitate the removal of benign topical lesions.

The Table below summarizes general guidelines when using either technique based upon clinical results reported in the literature.

| Parameter | Cryosurgery | Acid |
|-----------------------------|--|---|
| Treatment Regimen | Up to 4 in-office Treatments – 2 weeks apart | 8 or more in-office Treatments – Apply Acid Weekly during in-office visits until lesion is removed |
| Total Treatment Time | 10-40 seconds depending on targeted lesion. | Up to 60 seconds, extended time to allow acid to set. |
| Mechanism of Action | Extreme cold destroys cells and blood flow in targeted area. Precision treatment area based on time, temperature, and application of cryogen. | Acid denatures proteins at application site. Acid non-specifically targets tissue. Propensity to treat deeper than desired and to also treat surrounding healthy tissue. |
| Side Effects | Potential Blisters, Potential Pigment Changes, Erythema, Pain, Soreness | Pain, Burning, Pruritus, Sensitivity, Stinging, Dryness, Fissuring, Scarring. |
| Cost | Low cost | Low Cost |