



ACNE, ROSACEA, AND RELATED DISORDERS (INCLUDING HIDRADENITIS SUPPURATIVA)

EFFECTIVENESS, SAFETY AND TOLERABILITY OF DRAINAGE AND PUNCH-TROCAR ASSISTED CRYOINSUFFLATION (CRYOPUNCH) IN THE TREATMENT OF INFLAMMATORY ACUTE FLUID COLLECTIONS IN HIDRADENITIS SUPPURATIVA PATIENTS

A Molina-leyva⁽¹⁾ - L Salvador-rodriguez⁽¹⁾ - A Martinez-lopez⁽¹⁾ - C Cuenca-barrales⁽²⁾

Servicio Andaluz De Salud, Hospital Virgen De Las Nieves, Granada, Spain⁽¹⁾ - Servicio Andaluz De Salud, Hospital San Cecilio, Granada, Spain⁽²⁾

Background: Patients with hidradenitis suppurativa (HS) often go to emergency services or dermatology consultations with acute inflammatory fluid collections, usually clinically identified as abscesses. Therapeutic alternatives to these lesions are limited.

Objective: To describe and explore the effectiveness, safety and tolerability of punch-trocar assisted cryoinsufflation (cryopunch) for the treatment of acute fluid collections of patients with HS.

Patients and methods: Quasi-experimental study. Cryoinsufflation assisted by punch-trocar (cryopunch) was performed on 10 acute fluid collection of 10 consecutive patients with HS. Participants were evaluated at the beginning of the treatment, on week 4 and week 24. Effectiveness was assessed as complete response or no response according to clinical and ultrasonographic criteria. Pain numeric rating scale was used to assess tolerability, any potential adverse effects were noted. Participants were evaluated at the beginning of the treatment, on week 4 and week 24.

Results: Cryopunch was effective in the 70% (7/10) of the treated fluid collections at week 4, $p = .008$ and at week 24 $p = .008$. There was no recurrence of any of the lesions that responded to the treatment. An inverse association between the duration of the lesion and the effectiveness was observed. Median pain associated with cryopunch procedure was 2 (1.75-3.25). No adverse effects associated with the study intervention were observed.

Conclusions: We present a simple, inexpensive, safe, tolerable and effective procedure for the treatment of acute inflammatory fluid collections of patients with HS.

