

## Hubungan Luas Lesi IVA Positif dan Jenis Krioterapi Terhadap Efek Samping Pasca Krioterapi = Association of Positive VIA Area And Type of Cryotherapy with Post Cryotherapy Side Effects

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### Abstrak

Latar belakang: Krioterapi adalah salah modalitas terapi yang sering dilakukan pada lesi IVA positif di Indonesia. Selain memiliki angka kesembuhan yang cukup tinggi, krioterapi tergolong murah dan mudah dilakukan dengan sumber daya yang terbatas. Namun, efek samping pasca krioterapi seperti keputihan, perdarahan bercak, dan nyeri adalah hal yang tidak bisa dihindari. Beberapa penelitian mengaitkan adanya hubungan derajat dan luas lesi prakanker dengan angka kesembuhan pasca krioterapi. Jenis krioterapi (single-freeze atau double-freeze) juga dihubungkan dengan luas area nekrosis pasca krioterapi.

Tujuan: Tujuan penelitian ini adalah untuk mengetahui hubungan luas lesi IVA positif dan jenis krioterapi terhadap efek samping pasca krioterapi

Metode: Penelitian ini merupakan studi kohort prosepektif. Populasi terjangkau adalah pasien dengan IVA positif yang menjalani krioterapi oleh Female Cancer Program dari Juli sampai dengan Oktober 2019 di Jakarta. Evaluasi dilakukan dengan pengisian lembar keluhan efek samping krioterapi selama satu bulan. Analisis data dalam bentuk deskriptif dan analitik.

Hasil: Didapatkan 43 subjek IVA positif, 27 (62,8%) subjek lesi luas, dan 16 (37,2%) subjek lesi sempit, jenis krioterapi dibagi menjadi 33 (76,7%) subjek double-freeze, 10 (23,3%) subjek single-freeze, setelah sebulan didapatkan keluhan keputihan sebanyak 88,4%; perdarahan bercak 51,2%, nyeri 58,1%; tidak didapatkan hubungan bermakna antara luas lesi IVA positif dengan keputihan (nilai-p 0,63), perdarahan bercak (nilai-p 0,61), dan nyeri (nilai-p 0,54), krioterapi double-freeze berhubungan bermakna dengan efek samping perdarahan bercak (RR 0,5; nilai-p 0,0032; CI 0,3-0,9).

Kesimpulan: krioterapi double-freeze berhubungan bermakna dengan efek samping perdarahan bercak pasca krioterap.

.....Background: Cryotherapy is a procedure often performed in positive VIA lesions in Indonesia. Not only having a high cure rate, but cryotherapy is also relatively cheap and easy to perform with limited resources. However, side effects such as vaginal discharge, spotting, and pain are unavoidable. Several studies have linked the degree and width of precancerous lesions with cure rate after cryotherapy. Type of cryotherapy (single-freeze or double-freeze) is also related with amount of necrosis area produced after cryotherapy.

Objective: To determine the association of positive VIA area and the type of cryotherapy with post-cryotherapy side effects.

Method: This is a prospective cohort study. The population are women with positive VIA result who underwent cryotherapy by the Female Cancer Program from July to October 2019 in Jakarta. Evaluation was performed by filling out the patients complaint sheet for one month. Data was analysed descriptively and analytically.

Results: There were 43 women with positive VIA results, grouped into 27 (62.8%) large lesion, and 16 (37.2%) small lesion, types of cryotherapy was grouped into 33 (76.7%) double-freeze, 10 (23,3%) single-freeze, after one month follow-up there were complaints of vaginal discharge 88.4%; spotting 51.2%, pain

58.1%; found unsignificantly association between width of positive VIA area with vaginal discharge (p-value 0.63), spotting (p-value 0.61), and pain (p-value 0.54), double-freeze cryotherapy was significantly associated with side effect of spotting (RR 0.5; p-value 0.0032; CI 0.3-0.9).

Conclusion: double-freeze cryotherapy is significantly related with side effect of spotting.