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Ionic silver powder to control proliferation of neoplastic skin lesions

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INTRODUCTION AND AIM

This work is a challenge against the wounds that cannot heal without a surgical solution: the neoplastic ulcers. Especially in elderly people we try to avoid surgery, if possible; so we need a local treatment that tries to stop or slow proliferation, that can reduce infectious complication and bleeding and help epithelialization.

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MATERIALS AND METHODS

10 patients have been involved and terminated the observational time of 4 weeks; 7 of them achieved the end of follow up (12 months). We treated the wounds with a daily application of a spray powder containing silicon dioxide, ionic silver and chlorhexidine ($\text{SiO}_2\text{-Ag}^+\text{Chlorex}$)*; non-adherent secondary dressing.

After 4 weeks we evaluated wound area, infection signs and bleedings.

Monthly follow up for 12 months.

*KAdermin Spray Powder (Pharmaday Pharmaceutical)



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RESULTS / DISCUSSION

After 4 weeks we had no area change in 6 patients, a light reduction in 3 and a complete epithelialization in 1; no infections and only one bleeding, fully controlled with an alginate dressing for 24 hours. Actually no relapses, no worsening, no infections, two bleedings (the same patient) and 4 complete epithelialization.



15 days later





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Patients	1	2	3	4	5	6	7	8	9	10
<i>FOUR WEEKS FOLLOW UP</i>										
Wound Area	n.c.	-14%	n.c.	n.c.	n.c.	Epith.	n.c.	-33%	-37%	n.c.
Infection	---	---	---	---	---	---	---	---	---	---
Bleeding	---	---	---	X	---	---	---	---	---	---
<i>TWELVE MONTHS FOLLOW UP</i>										
Wound Area	-29%	Epith.	-39%	-7%	n.c.	Epith.	-48%	Epith.	Epith.	n.c.
Infection	---	---	---	---	---	---	---	---	---	---
Bleeding	---	---	---	X (2)	---	---	---	---	---	---

Wound Area Reduction: 4/10 - Epithelialization: 4/10 - Bleeding: 1/10 - Infection: 0/10

NO INDUCED PAIN

CONCLUSION

We all know that no dressing can heal a neoplastic lesion, but in case of non surgical treatment we can help patients reducing complications and giving a satisfactory quality of life.