

CLINICAL APPLICATION OF A POLIURETHAN-FLEXIBLE FOAM "LIGASANO" IN CHRONIC WOUNDS



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Caso 1 A.L.



1.0



1.1w



1.2w



1.4w



1.6w



1.8w



1.10w



1.12w

Caso 2 S.O.



1.0



1.1w



1.3w



1.4w



1.5w



1.6w



1.8w

Caso 3 M.C.



1.0



1.1w



1.2w



1.4w



1.5w



1.6w



1.8w

Caso 4 G.S.



1.0



1.1w



1.1w



1.2w



1.2w



1.3w



1.3w

Caso 5 F.S.



1.0



1.0w



1.1w



1.2w



1.2w



1.3w



1.3w

Caso 6 T.T.



1.0



1.4w

Introduction

Chronic wounds often offer a multifactorial aetiology and thus they show a difficult therapeutic approach. In our country a lot of old people and young people with physical handicap are affected by various skin trophic ulcers.

The complex assessment of the causes and their related therapies generates several problems about the type of treatment, frequent doubts concerning the choice of the most suitable specialist and, furthermore, about the appropriate dressing to utilize in each clinical case.

We are using the Poliurethan-foam LIGASANO® in chronic wounds and nonhealing ulcers of the lower limbs since six months.

Methods

10 patients (8 females - 2 males range 55 to 87 years) have been treated with LIGASANO® 1-2 cm thick (related to the amount of fluids exudate).

The skin wounds found their origin in different pathologies: complicated streptococcus skin infection (2 patients), diabetes (2 cases), distal arterial ischemia (1 patient), venous insufficiency (5 cases).

The LIGASANO® dressing, frequently associated to a pressure bandage, was removed every 48 hours.

Sterile package has been used only in the ischemic ulcers.

Results

All 10 patients demonstrated a good healing of the wound with acceptable functional and cosmetic result. The healing time rate has been variable, ranging from a maximum of 8-12 weeks (metabolic disease) to a minimum of 4-6 weeks (other wounds). No skin allergies were observed.

Discussion

The LIGASANO® seems to work in chronic wounds and nonhealing ulcers in two ways: 1. mechanical action 2. absorbent action.

Poliurethan should interfere the healing process carrying out a continuous mechanical debridement and a fluid exudates balance management.

The LIGASANO® dressing advantages are: 1) low cost 2) not sterile application 3) easy handling (domestic or self-sufficient use) 4) great flexibility in adapting to the shape and extension of the wounds. A single sporadic disadvantage was represented by a local increasing pain (1 case), moreover easily controlled with analgesic i.m.

We consider the poliurethan-foam a suitable and convenient dressing for vascular and metabolic wounds of the low extremities, either as the complete therapy or as wound bed preparation for further surgery.

N°	NAME	AGE	SEX	LOCALIZATION	TYPE OF LESION	PATHOLOGY	HEALING TIME
1	A.L.	79	FEMALE	LEG IN INF.	COMBINED ULCER	VENOUS INSUFFICIENCY, DIABETES, ETC.	12 WEEKS
2	S.O.	87	FEMALE	LEG IN MED.	VENOUS ULCER	VENOUS AND LIGAMENTS INSUFFICIENCY	10 WEEKS
3	M.C.	87	FEMALE	LEG IN INF.	ESCHAR	NECROPHAGY IN FOOT	5 WEEKS
4	G.S.	57	MALE	LEG IN INF.	ULCER	DIABETIC	3 WEEKS
5	F.S.	55	MALE	LEG IN INF.	ULCER	DIABETIC	3 WEEKS
6	T.T.	69	FEMALE	LEG IN INF.	VENOUS ULCER	VENOUS INSUFFICIENCY	4 WEEKS
7	C.D.	70	MALE	LEG IN INF.	NECROTIC ULCER	DIABETES	8 WEEKS
8	P.L.	68	MALE	LEG IN INF.	ISCHEMIC ULCER	ARTERIAL ISCHEMIA	5 WEEKS
9	R.R.	71	FEMALE	LEG IN INF.	VENOUS ULCER	VENOUS INSUFFICIENCY	5 WEEKS
10	L.A.	74	FEMALE	LEG IN INF.	VENOUS ULCER	VENOUS INSUFFICIENCY	8 WEEKS