

# Treatment of ulcer

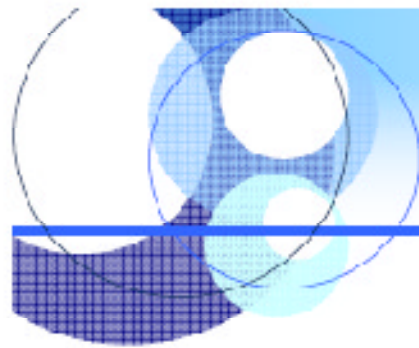
1. Wound care
2. Rest/off loading techniques
3. Rehabilitation -Therapeutic/  
Preventive surgery and  
Reconstructive  
Surgery/Conservative treatment

# 2. Rest/off loading techniques

## Off-loading

Intervention	Years	Ulcer healing rate (treatment/control)	Ulcer healing duration (days)
Total contact casting	1989	91% / 32%	42/65
Fiberglass casting	2000	50% / 21%	-
Removable cast walker	2001	65% / -	-
Half shoe	2001	58.3% / -	-
Good wound	1998	22% / -	-

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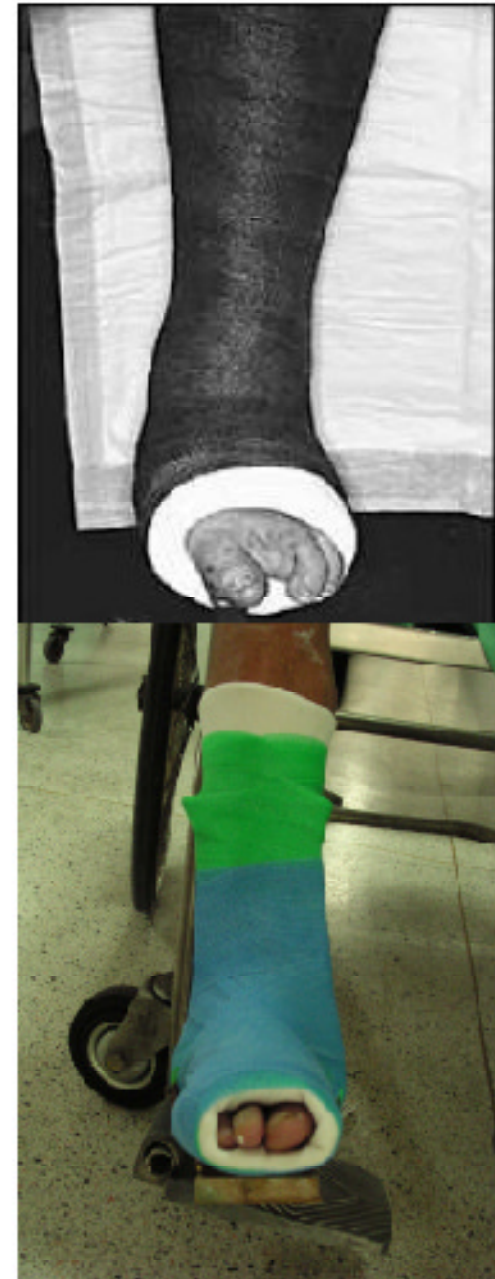


# Off-loading

## 1. Total contact cast (TCC)

TCC is general viewed as the best standard for off-loading the neuropathic wound and it is the most effectiveness modality for wound's treatment.

Its effectiveness is around 90% within 5.5 weeks.



~~Rest and/or off-loading technique~~ is key factor in successful wound healing, Dr. Paul Brand

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**Sample case**  
anterior view

# Treatment of ulcer

17/12/47



45 x 45 mm.

27/01/48



20 x 15 mm.

07/04/48



healed

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**Contact Casting**

# Contraindications

- Ischaemia
- Uncontrolled infection
- Highly exudative ulcers
- Severe fluctuating oedema
- Pt.who is unlikely to co-operate/who has profoundly unstable gait

# Air cast



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# Off-loading

## 2. Half-shoe



It will off-loading on forefoot and promote the wound healing around 66%.

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7/12/45



16/1/46



19/4/46

7/12/45\*Superficial ulcer, size 12 x6 mm

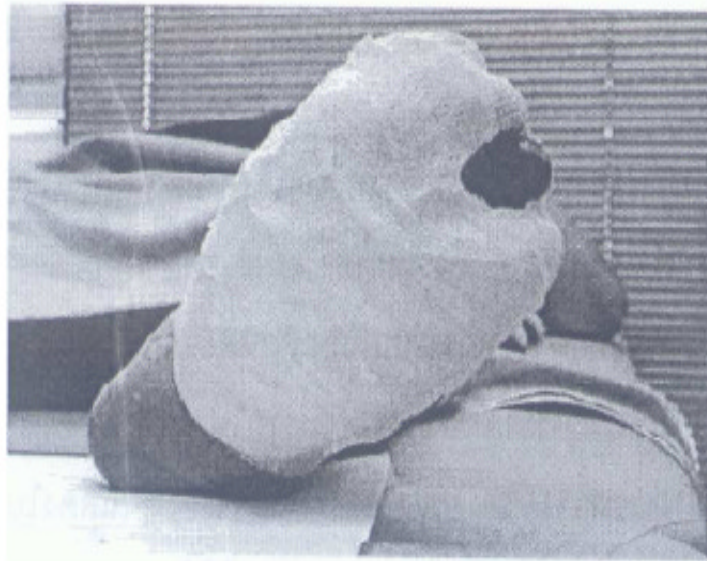
16/1/46\*Ulcer is completely healed

19/4/46\*Follow up, No ulcer.



# Off-loading

## 3. Felted foam dressing



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ture

# Felted foam dressing



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## Felted foam dressing



## Felted foam dressing



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# 1 month later



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# 3 months later



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