

FIGYELEM!

**A DOKUMENTUM A NYUGALOM
MEGZAVARÁSÁRA ALKALMAS
KÉPEKET TARTALMAZ!**

HYALURONIC ACID
&
IODINE

Hyiodine



WHAT IS HYIODINE

Medical device class III

Wound care gel based on hyaluronic acid and iodine

Designed for healing deep wounds

Hyiodine
HEALS DEEP WOUNDS



MARKET SEGMENT

Chronic, deep wounds

Fistulae, cavities, deep pockets

Deep diabetic foot ulcers

Target group of healthcare professionals

Surgeons, Internists, Podiatric specialists

INDICATION

Wounds complicated with deep parts

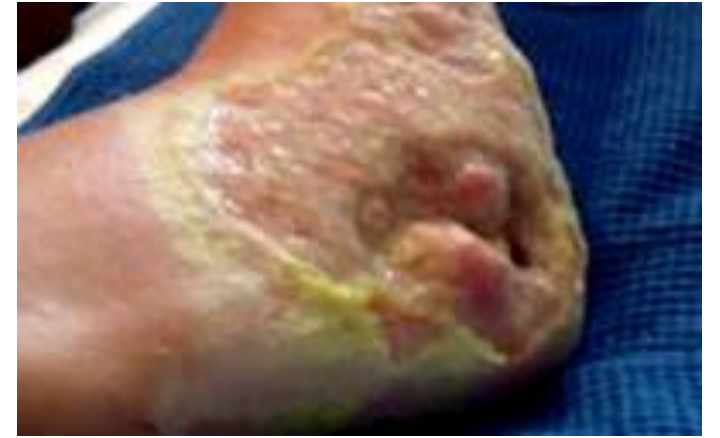
- Fistulae, cavities, pockets

Deep diabetic foot ulcers

- Great efficacy

Dehisced wounds after surgery

- Sternal and abdominal wounds



TWO ACTIVE SUBSTANCES FOR A GUARANTEED RESULT

Hyiodine
HEALS DEEP WOUNDS

EFFECT

SAFETY

HYALURONIC ACID 1,5 %

Initiates and regulates healing process
Supports granulation
Helps with angiogenesis

Natural component of ECM
No risk of allergic reactions
Safely metabolised

IODINE COMPLEX 0,25 %

Effective antiseptic against G+/G- bacteria
Does not slow the healing process
No bacterial resistance

Natural form of iodine (I₂) at low concentration
No allergic reactions reported
Naturally secreted from the body in urine

COMPETITIVE ADVANTAGE

Hyiodine
HEALS DEEP WOUNDS

Highly effective in healing the deepest wounds

STRONG SUPPORT
OF GRANULATION



Supports viability and migration of cells
Promotes angiogenesis

REGULATES
INFLAMMATION



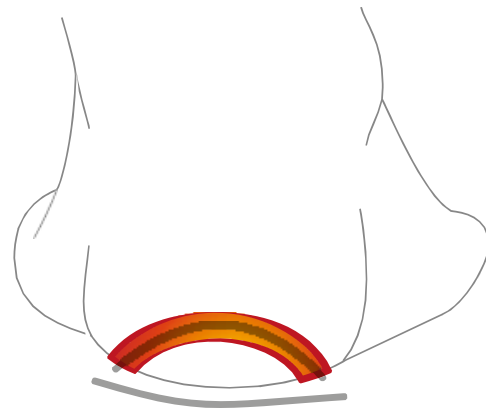
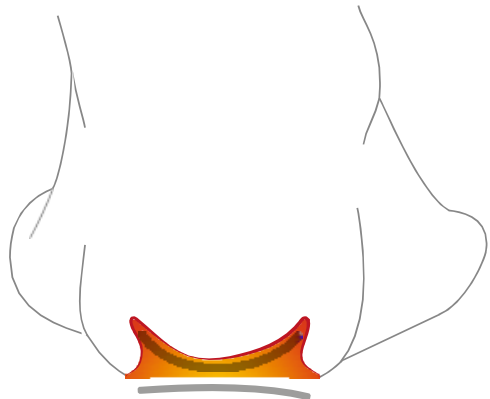
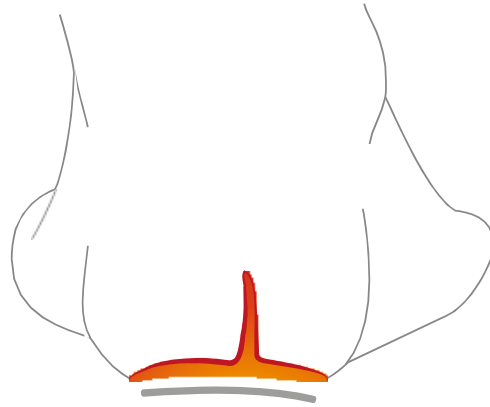
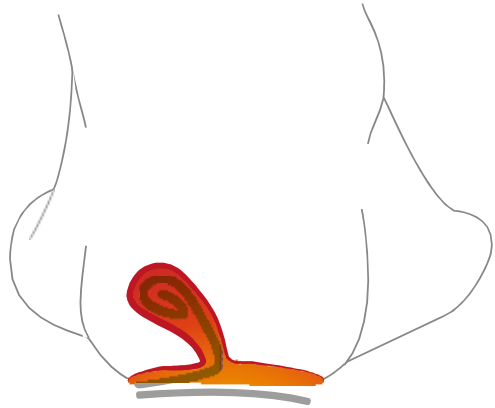
Manages infection
Sets up correct inflammatory response

SAFE FOR ANY TISSUE



Hyaluronan, natural compound
I₂ - iodine in form of trace element
highly safe for tissue and human body

APPLICABLE TO EVERY WOUND SHAPE



Hyiodine
HEALS DEEP WOUNDS



FILLING A POCKET WOUND

Hyiodine
HEALS DEEP WOUNDS



DRESSING CHANGE

Infected wounds
1 - 2 days

Non infected wounds
2 - 3 days

MRSA infection
No antibiotics needed

CONSUMPTION

WOUND SIZE	AMOUNT OF GEL
5 x 5cm (25 cm ²)	2 ml
7.5 x 7.5cm (56 cm ²)	5 ml
10 x 10cm (100 cm ²)	7 - 8 ml
15 x 20cm (300 cm ²)	22 ml

HOT TIPS FOR APPLICATION

Hyiodine
HEALS DEEP WOUNDS

The ideal way of application is through

COMMON WELL SATURATED GAUZE

- can be chaped in any wound
- Gives best cleaning and healing results

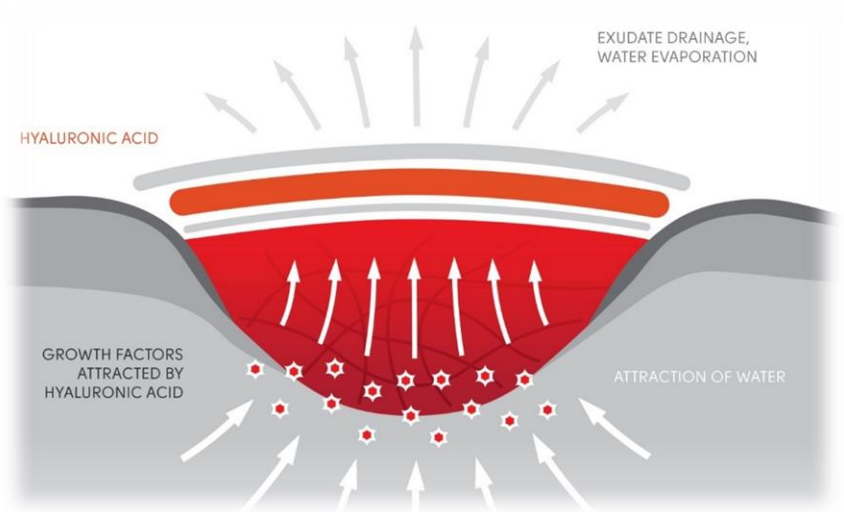
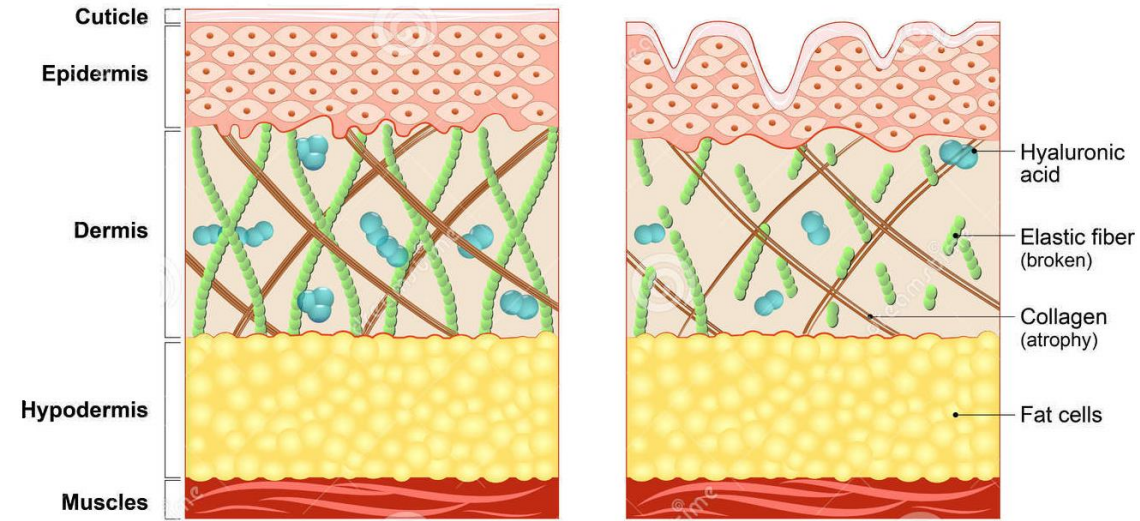
Application with

PARAFINE GAUZE

is suitable only for clean and granulating wounds

HA – Hyaluronic Acid

- **Natural compound of body (ECM, joints, skin)**
- **Natural NPWT compound**
- **Wide field of biological activities**
 - analgetic
 - cell proliferation and migration
 - blood capillaries creation – angiogenesis
 - positive/negative inflammatory effect
 - scarles healing – lip cleft



IODINE

Natural biogenic element - thyroid gland

Wide spectrum of activity against bacteria (G +/-), no resistance so far

Mechanism of action - damage to macromolecules in the cell

Permeability and metabolic release (blood - thyroid), used or excreted in urine

Systemic does not cause problems (possible local burns, slow vascularisation)

A close-up photograph of a clear glass bottle being poured into a white bowl. The liquid is clear and is captured mid-pour, creating a dynamic shape. The background is a plain, light color.

IODINE in Hyiodine

0,25 % iodine complex KI_3 (0,10 % I_2 + 0,15 % KI)

Clinical Study
&
Case Reports

Hyiodine

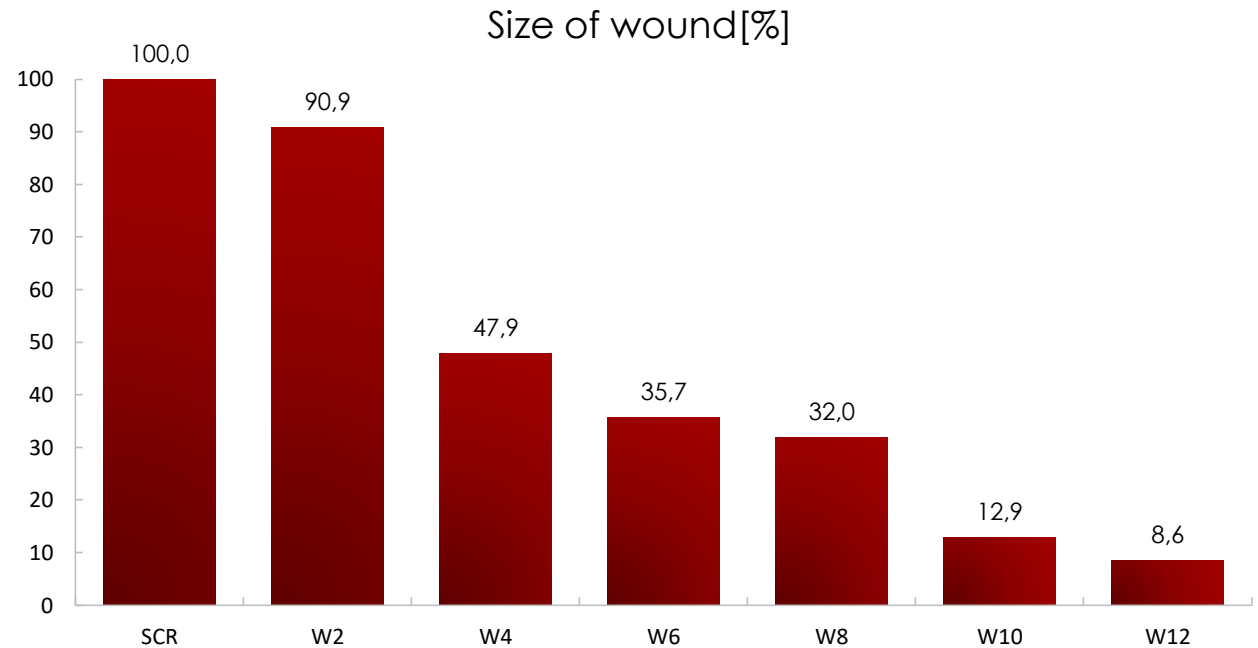


Hyiodine – wound size change

No. 60 patients

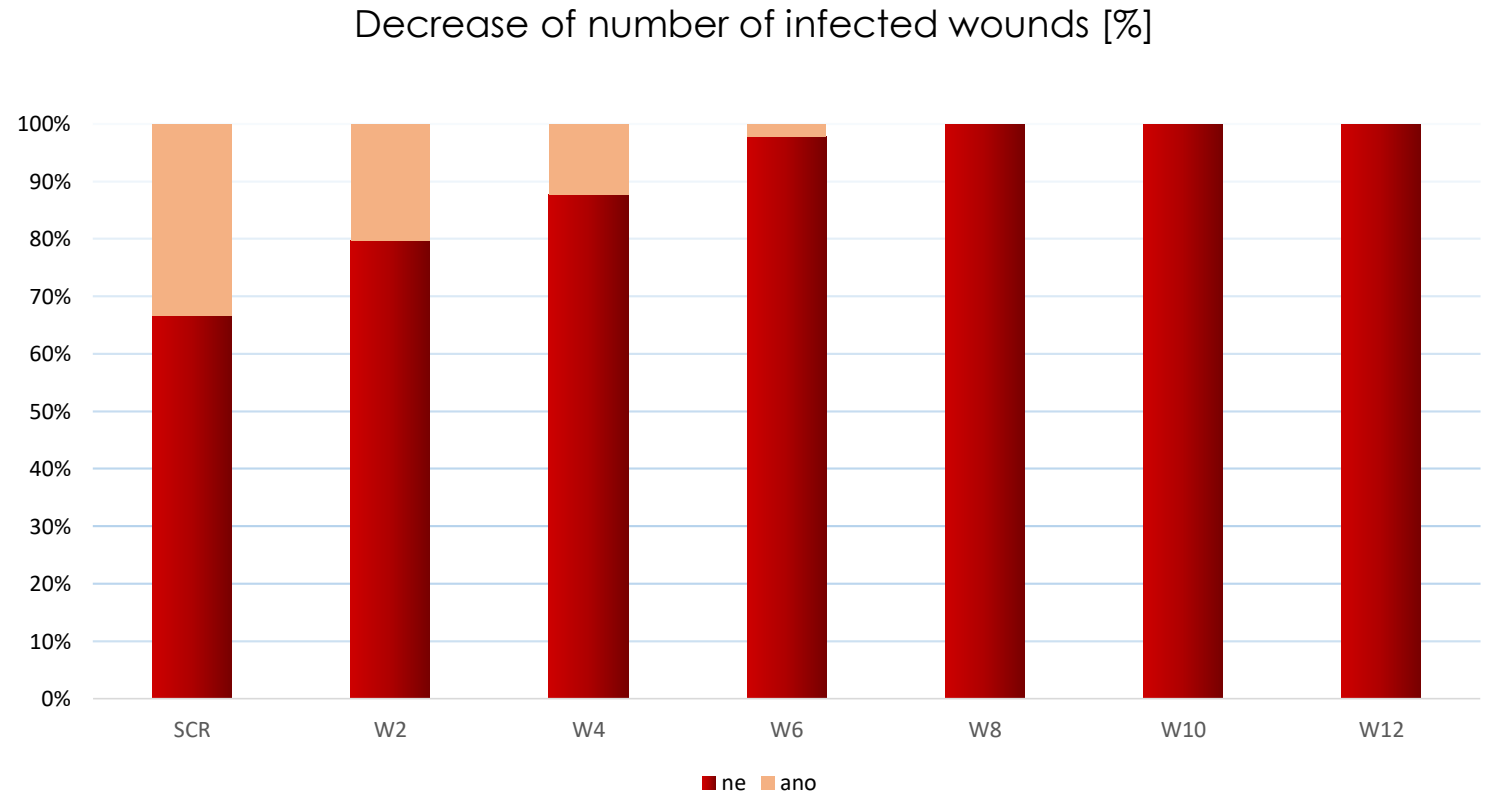
Duration 12 weeks

The average wound size before the start of the treatment was 17,5 cm² and at the last observation of 1,5 cm²



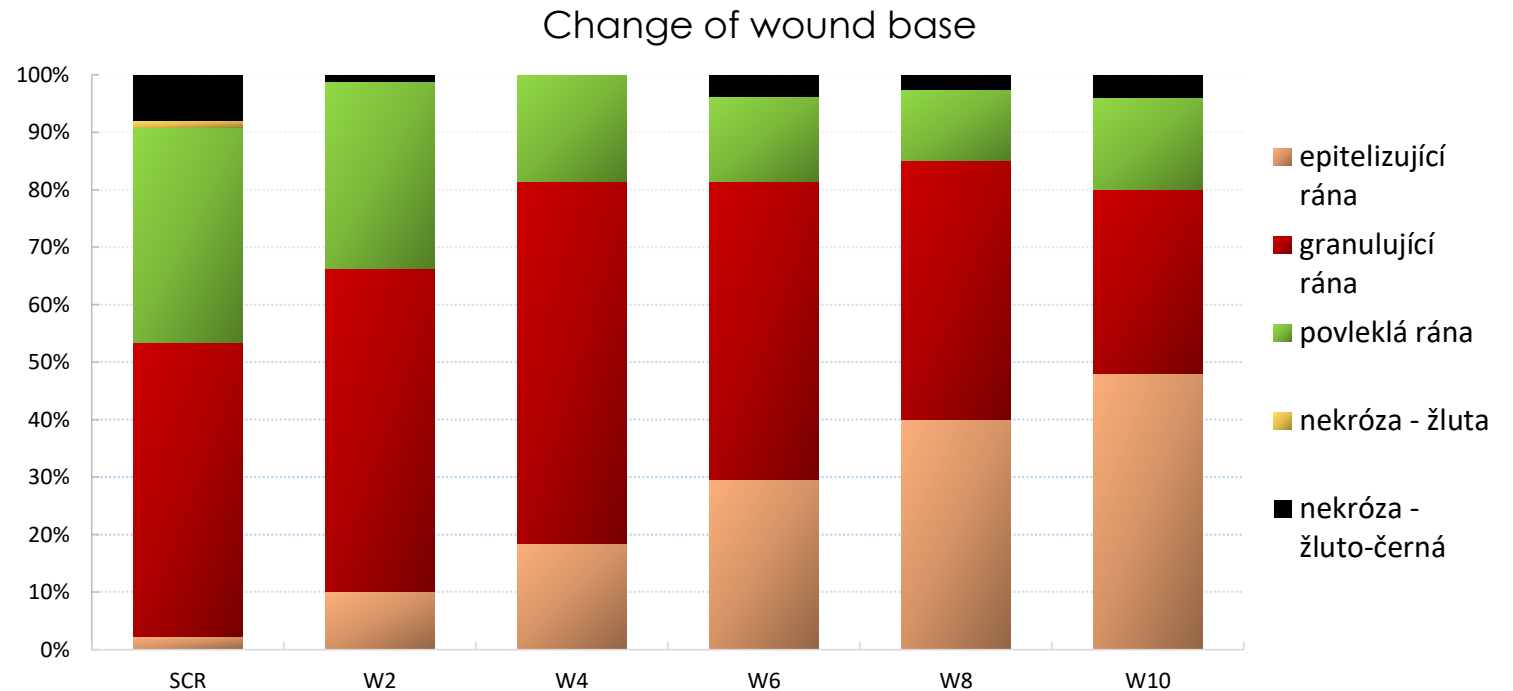
Hyiodine – infection decrease

Before start of the treatment observed visible signs of infection at 33,3 % of wounds , after 6th week only 2,2 %



Hyiodine – wound base change

A visible increase of the number of epithelial and granulating wounds, and a decrease in slaughy and necrotic wounds, at the start of treatment, the number of epithelial wounds only 3% and at the end of 48%



Hyiodine – study results

Overall treatment evaluation	Number of patients	Percentage of patients
Completely healed	24	40,0%
Partially healed	13	21,7%
Not healed, but improved	16	26,7%
No visual changes	1	1,7%
Worsening of wound condition	4	6,7%
Not reported	2	3,3%

CASE I – DFU

Female, 48 years, DM-I, II, diabetic retinopathy, diabetic nephropathy with proteinuria, chronic obstructive pulmonary disease III- IV Wed, Hashimoto thyreoiditis 30% blockage of the blood vessels LDK, heavy smoker



8 bottles of Hyiodine 50g

CASE II – DFU

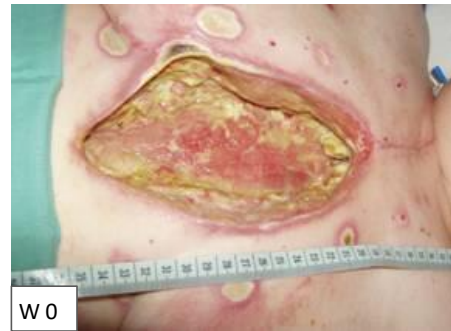
Man, 59 years old, DM II, DK coronary artery disease, diabetic neuropathy, hypertension, obesity, wound amputee, MRSA



1,5 bottles Hyiodine 50 g

CASE III – after - surgery dehiscence

Diabetic patient, obese, deep aorto-coronary bypass wound



CASE IV – after - surgery dehiscence

Female, 44, lupus erythematosus, treated with corticosteroids, post-diverticulosis



Complete dehiscence of the wound with necrotic tissue



Clean wound with granulation

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