



# Ulusal Medikal

[www.ulusalmedikal.com](http://www.ulusalmedikal.com)



 **itransport**  
by dir/active

 **Ulusal Medikal**  
DISPOSABLE PRODUCTS

**swash**<sup>®</sup>  
simply smile

 **L-Mesitran**<sup>®</sup>

 **HYPNOR**

### Software



3-12

### Medical Device



13-18

● Operating Room Table Cover

13-16

● Emergency Thermal Blanket

17-18



19-27



28-41



42-47



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## Software for Healthcare

## iTransport: optimisation processes



- Uniform and efficient processes
- Clear division of tasks
- Improving quality of services
- Innovation and automation
- Strong patientcare focus

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## iTransport Facts



Average per day



Number of tasks per hospital per day



Number of hospitals



Average per day



Average per day

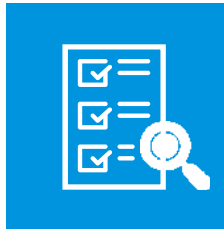
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## Basic Functionalities



Automatic dispatching tasks



Overview of all tasks



Use of reporting codes



Department requests



Scan possibilities



Reports and dashboards

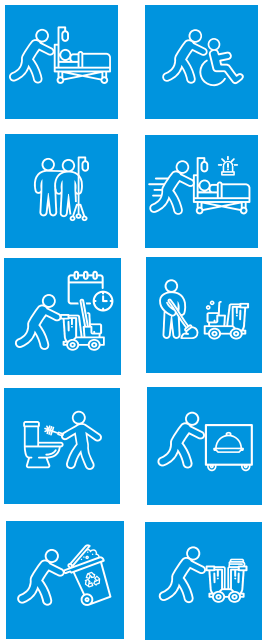


Patient data available

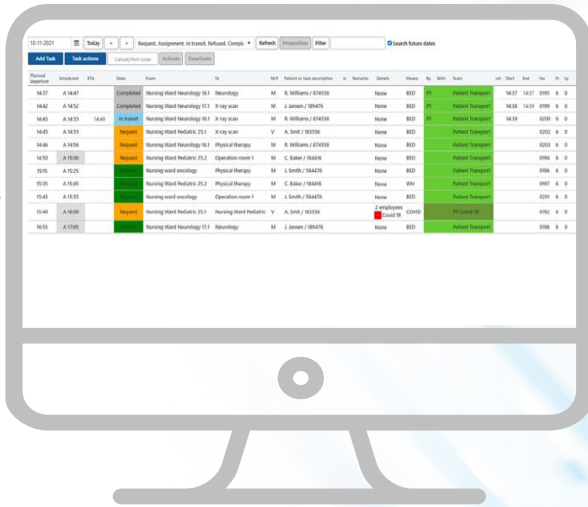
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## Efficient Task Planning

### Daily Tasks



### Planning



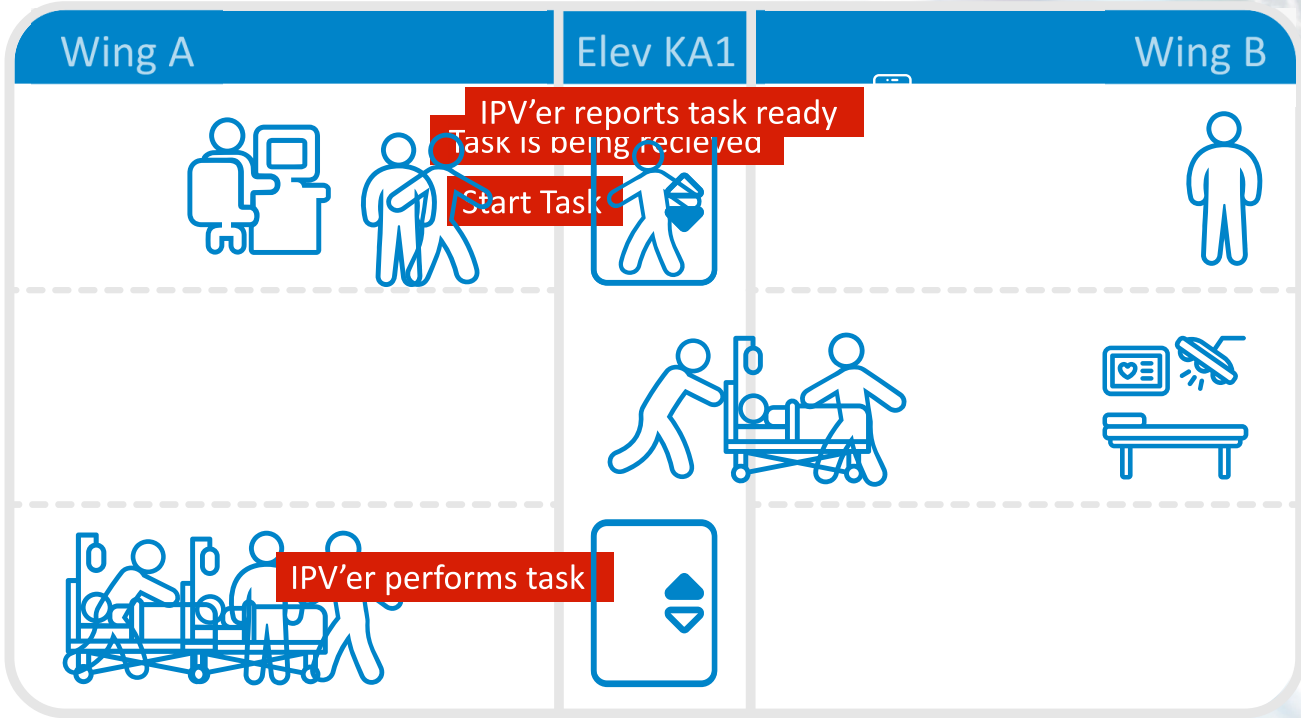
Patient Number	Appointment	ETA	Date	Room	%	Staff	Room or task description	Remarks	Status	Room	Start	End	Pa.	Pr.
1427	A 1427		Completed	Neurology 10.1	Neurology	M. B. YILMAZ / 184338	None	BDT	25	Patient Transport	1427	1427	0955	8. 0
1428	A 1428		Completed	Neurology 10.1	R x-ray scan	M. J. GÖNEN / 184376	None	BDT	25	Patient Transport	1428	1428	0959	8. 0
1429	A 1429	14.00	In transit	Neurology 10.1	R x-ray scan	M. B. YILMAZ / 184338	None	BDT	25	Patient Transport	1429	1429	0959	8. 0
1430	A 1430		Pending	Neurology 10.1	R x-ray scan	V. A. İNAL / 183706	None	BDT	25	Patient Transport	1430	1430	0959	8. 0
1432	A 1432		Pending	Neurology 10.1	Physical therapy	M. B. YILMAZ / 184338	None	BDT	25	Patient Transport	1432	1432	0959	8. 0
1433	A 1433		Pending	Neurology 10.1	Operation room 1	M. C. BAKER / 184476	None	BDT	25	Patient Transport	1433	1433	0959	8. 0
1435	A 1435		Pending	Neurology 10.1	Physical therapy	M. C. BAKER / 184476	None	BDT	25	Patient Transport	1435	1435	0959	8. 0
1436	A 1436		Pending	Neurology 10.1	Operation room 1	M. J. GÖNEN / 184376	None	BDT	25	Patient Transport	1436	1436	0959	8. 0
1438	A 1438		Pending	Neurology 10.1	Neurology	M. J. GÖNEN / 184376	None	BDT	25	Patient Transport	1438	1438	0959	8. 0

### Actions



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## Example: Patient Transportation



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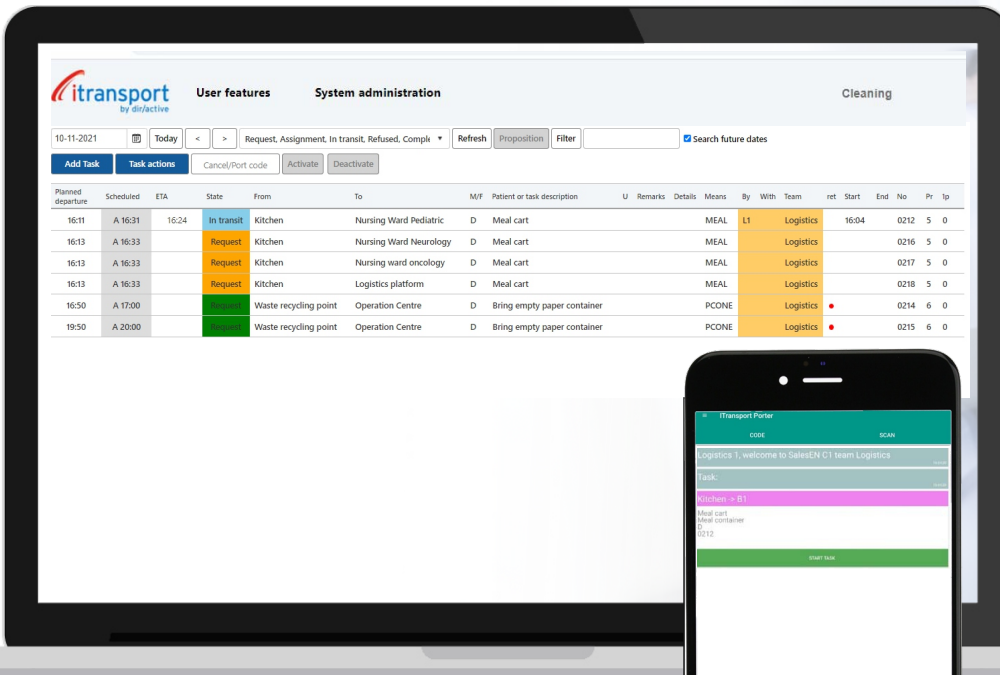
## iTransport: Scalable for WiFi & mobile device connectivity!



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## Example: Patient Transportation



The screenshot displays the itransport web application interface. The top navigation bar includes 'itransport by dir/active', 'User features', 'System administration', and 'Cleaning'. Below the navigation bar, there is a date filter set to '10-11-2021' and a search bar. The main content area features a table with columns for 'Planned departure', 'Scheduled', 'ETA', 'State', 'From', 'To', 'M/F', 'Patient or task description', 'U', 'Remarks', 'Details', 'Means', 'By', 'With', 'Team', 'ret', 'Start', 'End', 'No', 'Pr', and 'Ip'. The table contains several rows of data, including tasks for 'Meal cart' and 'Bring empty paper container'. A mobile app interface is shown in the foreground, displaying a 'Transport Partner' screen with a 'SCAN' button and a list of tasks.

Planned departure	Scheduled	ETA	State	From	To	M/F	Patient or task description	U	Remarks	Details	Means	By	With	Team	ret	Start	End	No	Pr	Ip
16:11	A 16:31	16:24	In transit	Kitchen	Nursing Ward Pediatric	D	Meal cart				MEAL	L1	Logistics		16:04		0212	5	0	
16:13	A 16:33		Request	Kitchen	Nursing Ward Neurology	D	Meal cart				MEAL		Logistics				0216	5	0	
16:13	A 16:33		Request	Kitchen	Nursing ward oncology	D	Meal cart				MEAL		Logistics				0217	5	0	
16:13	A 16:33		Request	Kitchen	Logistics platform	D	Meal cart				MEAL		Logistics				0218	5	0	
16:50	A 17:00			Waste recycling point	Operation Centre	D	Bring empty paper container				PCONE		Logistics				0214	6	0	
19:50	A 20:00			Waste recycling point	Operation Centre	D	Bring empty paper container				PCONE		Logistics				0215	6	0	

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## Reports & Results

### Reports

- Total overview of number and performed tasks
- Employee capacity and activity
- Number of requests per department
- Average duration of tasks



### Results

- More insight into the work performed
- More efficient distribution of tasks to employees
- Preventing patients from arriving late
- Optimizing internal processes
- Optimal and direct communication between departments



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## References

Netherlands • Belgium • Germany • Italy • France • Switzerland



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### Netherlands

- Erasmus MC - Rotterdam
- Haga Ziekenhuis - Den Haag
- Flevo Ziekenhuis – Almere

### Belgium

- UCL St Luc – Bruxelles
- ZNA - Antwerpen
- UZ Leuven – Leuven
- UZ Bruxelles - Brussel

### Germany

- Albertinen – Hamburg
- Rotenburg - Rotenburg
- Vincenz – Limburg

### Switzerland

- HUG - Geneve
- HRC - Rennaz
- HJU – Jurra

### France

- APHP Lariboisiere – Paris
- CH Leman – Leman
- CH Metz Thionville

### Italy

- SSB - Bolzano
- SSB - Merano
- SSB – Brunec

### Spain

- Hopital del Mar – Barcelona

## Operating Room Table Cover



### Disposable Drapes for Surgery Room

#### Operating Table Cover

- REDUCES CYCLE TIME BETWEEN SURGERY CHANGE OVERS
- IMPROVES INFECTION CONTROL
- HELPS TO REDUCE CROSS CONTAMINATION
- PROTECTS SURGERY TABLE, REDUCES THE NEED FOR CLEAN UP
- IMPROVES CONFORT TO PATIENTS

## PROVEN AND APPROVED

The unique Disposable Drapes for Surgery Room product, which offers a solution in infection control, was introduced 10 years. Proven and approved by thousands of users every day, Disposable Drapes for surgery Room clean improves your hospital processes by:

- \* Improved infection control and operating table protection by optimizing fluid control
- \* Enhanced standard of care for every patient with a consistent high-quality solution
- \* Faster, easier and modern OR cleaning procedures
- \* Increase in patient care and operating efficiency and operating room cycle time

## Exclusive Hydroknit Super Absorbency Technology

Disposable Drapes for Surgery Room, together with the Hydroknit Super Absorbent Cover, is the only infection control system that gives you the results you need:

Hydroknit Super Absorbten Operating Table Cover can absorb liquid up to 2.4L capacity.

- \* Absorbent feature helps make cleaning between cases easier
- \* Protects the operating table

## Disposable Drapes for Surgery Room Operating table cover



- REDUCES CYCLE TIME BETWEEN SURGERY CHANGE OVERS
- IMPROVED INFECTION CONTROL
- HELPS TO REDUCE CROSS CONTAMINATION
- PROTECTS SURGERY TABLE , REDUCED THE NEEDS FOR CLEANUP
- IMPROVED COMFORT TO PATIENT

## What We Offer and Your Benefits

Patented Hydroknit Absorption The surface remains soft and improves patient comfort  
Disposable Drapes for surgery Room

What we offer	Sizin avantajınız
Single Use	Additional protection to prevent cross contamination
System	Reduces cleaning and disinfection time between cases
Covers Complete Operating Table	Keeps the operating table/stretchers clean, reducing bed replacement costs
Patient Transfer Drape	Simple and safe patient transfer
Part no.	Tanım Miktar/paket
UM 001	Absorbent table cover with Ulusal Medikal Technology 101 x 229 cm 50
UM 002	Absorbent table cover with Ulusal Medikal Technology 101 x 152 cm 50
UM 003	Absorbent table cover with Ulusal Medikal echnology 76 x 101 cm 50
UM 004	Absorbent table cover with Ulusal Medikal Technology 101 x 305 cm 25
UM T 001	Ulusal Medikal Transfer Drape 101 x 203 cm 50
UM T 002	Ulusal Medikal Transfer Drape 86 x 168 cm 50
Pack 001	Absorbent table cover, transfer cover, arm tray covers and headrest covers with Ulusal Medikal Technology 20
Pack 002	Absorbent table cover transfer mat with Ulusal Medikal Technology 25
Pack 003	Absorbent table cover with Ulusal Medikal Technology transfer cover and arm tray cover 20
Pack 004	Short absorbent table cover carrying cover and arm table cover with Ulusal Medikal Technology 101 x 152cm 25



## Emergency Thermal Blankets



NASA developed thermal blankets for use in the Apollo program, but reflective insulation existed for decades before that. Ulusal Medikal Thermal blankets can reflect up to 90% of body heat back to the wearer. These blankets are especially useful in a portable first aid kit because they take up almost no space and have life-saving potential in cases of hypothermia and major blood loss.

## How Do Ulusal Medikal Thermal Blankets Work

Normal insulation traps air in little pockets and stops warm air from moving away from the skin. This means that thicker insulation works better than thinner insulation, so how can Ulusal Medikal Thermal blankets work so well as insulation? Ulusal Thermal blankets are reflective insulation; it works by reflecting radiant heat back towards the source. Most of the heat the body loses is radiant heat, so reflective insulation makes sense from a heat loss perspective. It also makes sense because reflective insulation doesn't have to be thick in order to work; it just has to be shiny and reflective.

In fact, the shinier the material, the better it is at reflecting heat, so if Mylar blankets get dirty they won't insulate as well.

## Ulusal Medikal Thermal Blankets in First Aid

Ulusal Medikal Thermal blankets have life-saving potential in cases of hypothermia or major blood loss. Keeping warm is a good idea in most cases, but during emergencies that involve major blood loss, winter temperatures, and/or water, it is especially crucial.

Obviously, low temperatures can cause hypothermia if a person is exposed for too long, but some of the real dangers occur when water and blood loss are involved. Water conducts heat much faster than air, and if the person is wet out of the water, evaporative cooling can suck up even more heat, especially if it is windy.

Although many people do not associate blood loss with heat loss as often as cold water or winter temperatures, it is one of the most dangerous causes of hypothermia. Your body uses blood to control the heat distribution in your body. By dilating and constricting blood vessels near your skin, your body regulates its core temperature. When you lose a lot of blood your body cannot regulate temperature as effectively, and all of that warm, lost blood is lost heat as well. Even if it is warm outside, ALWAYS cover blood loss victims with blankets if possible. Hypothermia is an all too common secondary problem.

## About Swash<sup>®</sup>

Throughout our lifetime, we will spend approximately 6 months of our lives bathing or showering. For most people this is a pleasant and relaxing moment. Unfortunately, this is not the case for everyone. Due to reduced mobility, pain or fear, it is no longer possible for everyone to wash himself or herself effectively or independently. With over 20 years of experience providing comfortable and convenient bathing solutions to healthcare institutions, we greatly understand the struggles that personal care can entail every day: lathering, rinsing, drying and applying a moisturizing lotion... It's a lot of work and time for a change!

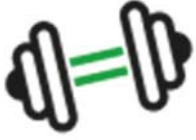
## What is Swash<sup>®</sup>?

Swash<sup>®</sup> products are gloves or wipes made of a non-woven material, impregnated with a uniquely formulated, hypoallergenic, pH-skin neutral cleansing lotion with skin-caring and hydrating properties. You can wash every body part with a separate bathing glove or wipe. The lotion helps skin maintain its natural moisture content and improves skin's condition, all while providing a thorough and gentle cleaning. Moreover, when applied, the lotion dries quickly, so rinsing and drying is no longer necessary. Developed for cleaning each part of the body separately, one eight-pack of Swash<sup>®</sup> is sufficient for a full body wash. Swash<sup>®</sup> products are for single use only!

## For whom?

Swash<sup>®</sup> is suitable for everyone! Individuals who find these products especially helpful and comfortable include those with reduced mobility, undergoing rehabilitation, or are terminally ill. Swash<sup>®</sup> is also ideal for individuals with physical or psychological limitations to using water, or sufferers of pain symptoms, for example, contractures or COPD.

## Description



### LESS TIRING

Bathing with Swash® is less tiring compared with showering, washing at the sink, or on the bed. This is because fewer steps and physical effort is required in the daily process of hygiene care



### OPTIMAL CARE FOR FRAGILE SKIN

The Swash® products contain a hypoallergenic and pH-skin neutral cleansing lotion with skin-caring and hydrating properties. Suitable for all skin types.



### MORE HYGIENIC

Developed for washing the parts of the body separately, a new clean Swash® glove or wipe is used for each body part. This helps reduce the risk of infection from cross contamination.



## COMFORTABLE

Soft, non-woven cloth material makes Swash® gloves and wipes feel gentle and pleasant on the skin. For extra comfort, warm Swash® in the microwave before use.



## MORE TIME FOR OTHER THINGS

Saves time! Easy 4-in-1 cleansing technology makes Swash® products ready for immediate use.



## Products

### 1) BODY WASH

#### • Bathing Gloves

##### Ready-to-use bathing gloves for a comfortable body wash

The Swash® Gold Gloves are soft, moist bathing gloves of excellent quality and a unique ergonomic fit. These gloves contain a balanced amount of hypoallergenic lotion that is optimal for cleaning and caring for the skin. In no time at all, Swash® Gold Gloves offer pleasant and relaxing bathing and are *an* ideal solution when showering is no longer possible (or convenient).

- The Soft texture of Swash® Gold Gloves offers an extra pleasant sensation on the skin.
- Easy to warm in the microwave for extra comfort
- Available in 8 gloves per package: fragranced or fragrance free
- CE



## • Bathing Wipes

### Moist bathing wipes for a complete body wash without soap and water

The Swash® Gold Wipes are soft, moist bathing wipes of excellent quality. They contain a balanced amount of hypoallergenic lotion for an optimal cleansing of the skin. In no time at all, Swash® Gold Wipes offer relaxing and pleasant bathing and are an ideal solution when showering is no longer possible (or convenient).

- Rated #1 in hospitals and nursing homes
- Easy to warm in the microwave for extra comfort
- Available in 8 wipes per package: fragranced or fragrance free
- CE



## 2) INCONTINENCE CARE

### • Perineum Gloves

**Give fragile skin the complete care it deserves.**

Swash® Perineum Gloves are moist gloves impregnated with a skin protecting, fragrance free lotion containing 3% Dimethicone. Thanks to its 3-in-1 function – clean, care *and* protect – administering incontinence care has never been more easy, comfortable and fast, and gives fragile skin the attention it deserves. These soft, yet strong washing gloves guarantee a skin-friendly cleaning, even removing hard/granulated faeces easily.

- The texture of the Swash® Perineum Glove offers a soft and extra pleasant sensation on the skin.
- Easy to warm in the microwave for extra comfort
- Available in 8 gloves per package: fragrance free
- CE





## • Perineum Wipes

### Give fragile skin the complete care it deserves

Swash® Perineum Wipes are moist wipes impregnated with a skin protecting, fragrance free lotion containing 3% Dimethicone. Thanks to its 3-in-1 function – clean, care *and* protect – administering incontinence care has never been more easy, comfortable and fast, and gives fragile skin the attention it deserves. The soft and extra-long cloth guarantees a skin-friendly cleaning, even removing hard/granulated faeces easily.

- Easy to warm in the microwave for extra comfort
- Available in 8 wipes per package; fragrance free
- CE



## • Cleansing Wipes

### Moist wipes for optimal skin cleansing

Swash Cleansing Wipes are moistured wipes for mild and frequent cleansing for everyday use. Especially after an incontinence episode the wipes are ideal for a first gentle, but thorough cleaning of the intimate zone before using Swash Perineum with skin protective ingredients. The lotion contains the soothing ingredient jojoba, which keeps the skin soft and hydrated. The extra large size of the cloth makes it perfectly suitable for the purpose.

- Extra-large cloth with 30 x 20 cm
- Available in a big package with 48 wipes: fragranced and fragrance free
- CE



### 3) HAIR CARE

#### • Shampoo Cap

**Wash hair quickly and easily without using soap and water**

Wash every hair type comfortably, quickly and easily, without getting in the shower! The Swash® Shampoo Cap is especially developed for this purpose. Coated with a special hair-moisturising lotion on the inside of the cap, hair is shampooed and conditioned, without the need for rinsing! The result? Clean and fresh hair that takes 75% less time to achieve than traditional methods of washing!

- One-time use only!
- Suitable for every hair type
- 1 cap per package
- CE





**L-Mesitran®**

## L-Mesitran - More than honey!

In 2002, we were the first company to obtain CE certification and FDA approval for our Medical Grade Honey: L-Mesitran. Then and now, we aspire to deliver high quality products to ensure fast and efficient wound healing. We are more than just honey. We researched honey and the ways to improve this natural ingredient. As a result, we supplement our Medical Grade Honey with e.g. vitamins to be even more efficacious.

L-Mesitran products are versatile. They are extremely effective in both human and veterinary medicine. It does not only cure complex wounds, but it also removes biofilms from infected wounds which makes healing faster and efficient. L-Mesitran products can be used as an alternative or complementary therapy for antibiotics to treat and prevent local infections, including those with multi-resistant pathogens while reducing problems of antibiotic resistance. We are available in over 60 countries worldwide.

## What is L-Mesitran?

L-Mesitran is a Medical Grade Honey-based wound healing product. Its antimicrobial and pro-healing properties results in excellent wound repair. Without any side effects, it treats a variety of wounds from minor cuts to large infected wounds. L-Mesitran is made of organic honey which is sterilized with gamma radiation to use it medically. Its exceptional results in treating antibiotic resistant infections makes it a unique product to be used as an alternative or complementary therapy for antibiotics to treat all kinds of wounds.



## Medical Grade Honey

Medical Grade Honey follows a rigorous process to ensure quality, safety and effectiveness. The honey is collected under an organic environment and is sterilized using gamma radiation to kill endospores and other microorganisms.

Honey used for medical purposes needs to be pollutants and toxic substance free. Toxic substances such as herbicides, pesticides, heavy metals and microorganisms must be eliminated before honey can be used for medical purposes.

Honey from supermarkets is often sterilized with heat which inactivates the medicinal properties of the enzymes and similarly, honey from the beekeeper may not be extensively tested to ensure that it is contamination free.


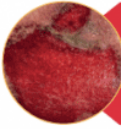
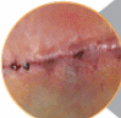
## L-Mesitran proves to be the best Medical Grade Honey Product to Remove Biofilms

L-Mesitran proves to be the best Medical Grade Honey product to get rid of biofilms in wounds. This was published in the journal Antibiotics. The study at the University of Ghent shows that six different commercially available MGH-based wound care products are effective to prevent and remove biofilms.

L-Mesitran Soft demonstrates significantly stronger activity than the other products, because of its added components. The clinical efficacy of L-Mesitran Soft has also been supported in clinical cases of persistent biofilms without the need of using antibiotics.



### L-Mesitran® Wound Care Protocol

	Dry 		Moderate exudating 		Heavily exudating 	
	Superficial wounds	Deep wounds	Superficial wounds	Deep wounds	Superficial wounds	Deep wounds
 <p><b>Red wound</b></p> <ul style="list-style-type: none"> <li>- protect</li> <li>- moist environment</li> <li>- bacterial balance</li> <li>- stimulate epithelization</li> </ul>	Tulle Soft Hydro Border	Soft	Tulle Soft Hydro Border Foam	Soft Foam	Soft Net Foam	Soft Foam
 <p><b>Yellow wound</b></p> <ul style="list-style-type: none"> <li>- debride</li> <li>- remove bacteria</li> <li>- moist environment</li> <li>- stimulate healing</li> </ul>	Tulle Soft Hydro Border	Soft	Tulle Soft Hydro Border Foam	Soft Foam	Soft Net + Soft Foam	Soft Foam
 <p><b>Black wound</b></p> <ul style="list-style-type: none"> <li>- cleanse</li> <li>- remove necrosis</li> <li>- remove bacteria</li> </ul>	Tulle Soft Ointment	Ointment Soft	Tulle Ointment Foam	Ointment Foam	Ointment Net Foam	Ointment Net Foam
 <p><b>Post-operative wound</b></p> <ul style="list-style-type: none"> <li>- improve healing</li> <li>- reduce scarring</li> <li>- prevent infection</li> </ul>	Tulle Ointment	Soft	Tulle Ointment	Soft	Tulle Ointment	Soft

## L-Mesitran Soft

This wound gel contains 40% medical grade honey, medical grade hypoallergenic lanolin, propylene glycol, PEG 4000 and vitamin C& E. It is specially designed with sensitive patients in mind.

L-Mesitran Soft is suitable for the treatment of burns, but also chronic, oncological and acute wounds like abrasions and cuts. The Soft is easy to apply and will not adhere to the wound.



## L-Mesitran Foam

L-Mesitran Foam is a sterile non-adherent hydrophilic polyurethane foam dressing of about 3 mm, impregnated with the patented L-Mesitran Soft gel. It forms a cushioning layer that protects the wound from mechanical stress while allowing drainage to pass and has high absorption and high retention characteristics.

It contains 40% Medical Grade Honey, medical grade hypoallergenic lanolin, propylene glycol, PEG 4000 and vitamin C& E. L-Mesitran Foam creates a regenerative environment and can be used in the treatment of a wide range of exuding wounds.





## -M L-Mesitran Tulle

L-Mesitran Tulle is a non-adherent polyethylene dressing impregnated with L-Mesitran Soft. It contains 40% Medical Grade Honey, medical grade hypoallergenic lanolin, propylene glycol, PEG 4000 and vitamin C&E.

As a primary dressing, L-Mesitran Tulle is excellent to apply on acute wounds. It can be used for both deep and superficial wounds with smaller and larger amounts of exudate. The Tulle must be covered with a secondary dressing and is intended for single use.



## L-Mesitran Border

L-Mesitran Border is a sterile hydro-active, low-adherence, honey containing wound dressing with an adhesive border. It contains 30% medical grade honey, an acrylic polymer gel and water with a polyurethane film backing, without and with an adhesive border.

It is suitable for the treatment of superficial, chronic and acute wounds like abrasions, cuts, surgical wounds and burns. L-Mesitran Border is easy to apply, especially for difficult locations where regular wound dressings do not adhere. L-Mesitran Hydro is identical, but without an adhesive border.



## L-Mesitran Net

L-Mesitran Net is a primary open-weave mesh dressing combined with a hydro-active honey-hydrogel. It contains 20% Medical Grade Honey, an acrylic polymer gel and water on a polyester mesh structure that allows passage of exudate through the dressing.

L-Mesitran Net is suitable for the treatment of moderately to heavily exuding wounds. The Net must be covered with a secondary dressing. It can be used in a combination with L-Mesitran Ointment and Soft.



## L-Mesitran Hydro

L-Mesitran Hydro is a sterile hydro-active, low-adherence, honey containing wound dressing. It contains 30% medical grade honey, an acrylic polymer gel and water with a polyurethane film backing, without and with an adhesive border.

L-Mesitran Hydro is easy to apply. The honey-hydrogel pad is able to absorb at least seven times its own weight in wound fluid. Although L-Mesitran Hydro is identical to L-Mesitran Border, it doesn't contain adhesive border.



## L-Mesitran Active

L-Mesitran Active is a small, hydro-active wound dressing which contains 30% medical grade honey. L-Mesitran Active can also be used for blisters.

L-Mesitran Active is easy to apply. It adheres to difficult locations where regular wound dressings would not stay.





**L-Mesitran®**

**SUPPLEMENTED  
MEDICAL GRADE  
HONEY**

Healing wounds naturally





### L-Mesitran Ointment

Antibacterial ointment with 48% medical grade honey, hypoallergenic medical grade lanolin, Aloe barbadensis, Calendula officinalis, sunflower oil, cod liver oil, zinc oxide, and antioxidant vitamins C and E. Indicated for the removal of necrotic tissue and debris. Cover with a secondary dressing. Replace the ointment after 1-3 days.



### L-Mesitran Soft

Antibacterial gel with 40% medical grade honey, hypoallergenic medical grade lanolin, PEG4000, propylene glycol and vitamins C and E. For all superficial and deep wounds. Cover with foam, alginate, hydrofiber or compress. Replace the gel after 1-3 days.



### L-Mesitran Tulle

Antibacterial dressing coated with L-Mesitran Soft. Does not adhere to the wound. For (superficial) wounds with none to moderate exudates. Cover with absorbent dressing, fixate with regular adhesive gauzes. Replace the dressing after 3-7 days.



### L-Mesitran Foam

Antibacterial polyurethane foam dressing coated with L-Mesitran Soft. Capable of absorbing and retaining high levels of exudate. For moderate to heavily exuding wounds or as a protective cushioning layer. Must be fixated with regular bandage or (adhesive) tape. Replace the dressing after 3-7 days.



### L-Mesitran Hydro

Hydro-active antibacterial dressing with 30% medical grade honey, polymers and water. For superficial wounds and capable of absorbing nine times its own weight in fluids. Must be fixated with regular gauze or (adhesive) tape. Replace the dressing after 3-7 days.



### L-Mesitran Border

Hydro-active antibacterial dressing with 30% medical grade honey, polymers, water and an adhesive border. For superficial wounds. Self-adhesive, showering or swimming is possible. Replace the dressing after 3-7 days.



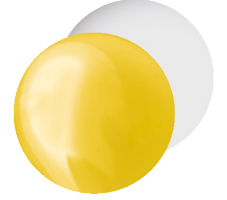
### L-Mesitran Active

Hydro-active antibacterial dressing with 30% medical grade honey, polymers, water and an adhesive border. For smaller superficial wounds. Self-adhesive, showering or swimming is possible. Replace the dressing after 3-7 days.



### L-Mesitran Net

Hydro-active antibacterial wound contact layer with 20% medical grade honey, polymers and water. For wounds with moderate to heavy exudates. Cover with absorbent dressings or compresses and fixate with regular bandage. Replace the dressing after 3-7 days.



L-Mesitran®



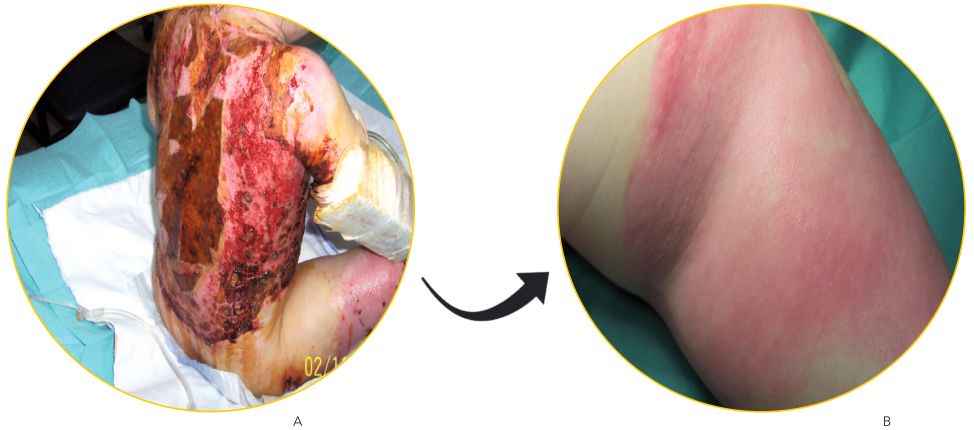
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## Burns<sup>4</sup>

An 18-month old girl suffered partial thickness burns (35% TBSA) with boiling water (fig. A). Her right leg was treated with L-Mesitran Ointment, while the rest of her body was treated with skin grafts, povidone iodine and paraffin gauzes. The leg treated with L-Mesitran showed a swift

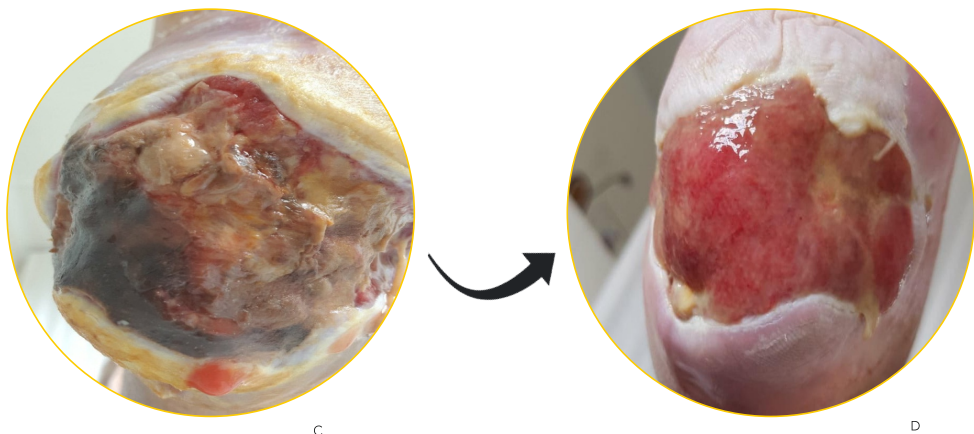
recovery, with complete wound resolution (fig. B), whilst two skin transplants on the child's back were unsuccessful. The skin healed by L-Mesitran was then used to harvest new grafts for her back.



## Infected Diabetic Ulcer<sup>15</sup>

A 44-year-old woman with type 1 diabetes mellitus presented with a diabetic foot ulcer (DFU) on the heel (fig. C) that could lead to foot amputation. The DFU was heavily infected with *Pseudomonas aeruginosa*. DFU had been present for three months and despite the use of oral antibiotics (augmentin: amoxicillin and clavulanate), Bactroban dressings (mupirocin), and regular gauzes, the wound was deteriorating and infection persisted. After limited sharp debridement, a layer of L-Mesitran Soft was

applied to the wound and covered with a regular secondary absorbent dressing. The malodor was no longer present at day 3, and granulation tissue formation further increased, sinuses were revealed, and the calcaneus became exposed. Limited sharp debridement was performed again respecting the structures of the wound. Subsequently, the wound was treated twice a week and continued for one month. On day 33, the wound size was strongly reduced (fig. D), with full granulation of the wound bed.





## About us

L-Mesitran pioneered the medical grade honey (MGH) introduction as a Medical Device in the EU in 2002. From the beginning we invested in research e.g. published in The Lancet<sup>19</sup> on the sterilization of honey to make it safe for wound care. In 2006, the MGH

products were approved and since then over 70 countries worldwide have implemented L-Mesitran in wound care protocols, both in hospitals as in home care settings.

## Supplemented Medical Grade Honey<sup>15, 24</sup>

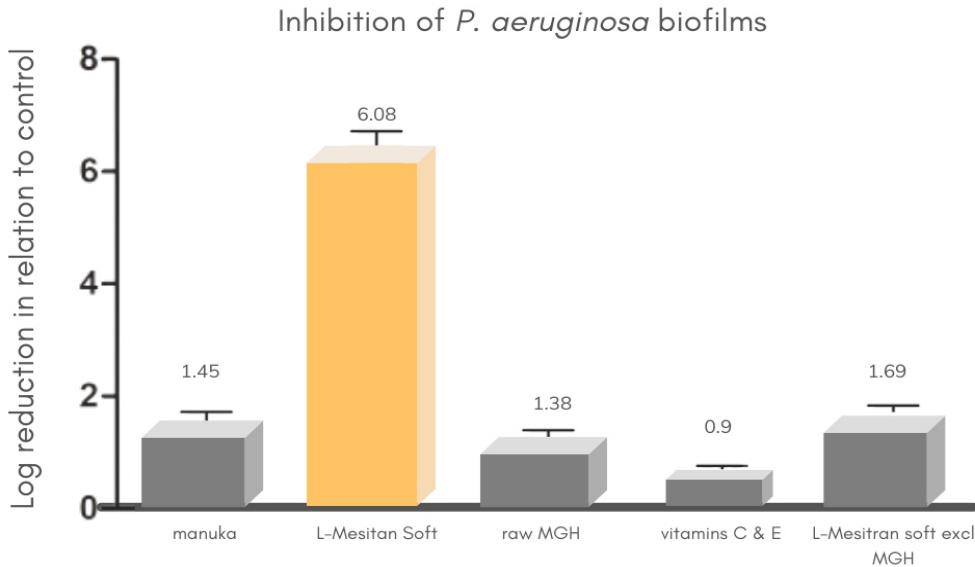
### Antibacterial<sup>1-16</sup>

### Debrides, reduces malodour<sup>3-6,12,14,15</sup>

## Stimulates wound healing, less scarring<sup>1-6,12,-15,15-20</sup>

### Anti-inflammatory<sup>3-6,12,14,15,17</sup>

### Safe, easy and cost effective<sup>3-5,12-15,17,21</sup>



## L-Mesitran - the best Medical Grade Honey Product

Recent comparison studies consistently demonstrate that certain supplements are capable of enhancing the antimicrobial activity of honey. This is also the case with the supplements in L-Mesitran and multiple direct comparison studies show a significantly stronger antimicrobial activity for L-Mesitran when compared to its raw honey component (from the same batch).<sup>9-11</sup> Moreover, in a direct comparison study with other commercially available honey-based

wound care products, L-Mesitran Soft significantly had the strongest antimicrobial activity (fig. E). This was due to the synergistic activity as the authors concluded.<sup>15</sup> The clinical efficacy of L-Mesitran Soft has also constantly proved in clinical cases, including those with persistent and antibiotic-resistant biofilms, without the need of using antibiotics.<sup>12,14,15</sup> Interestingly, L-Mesitran also has a strong prophylactic activity.<sup>7,16</sup>

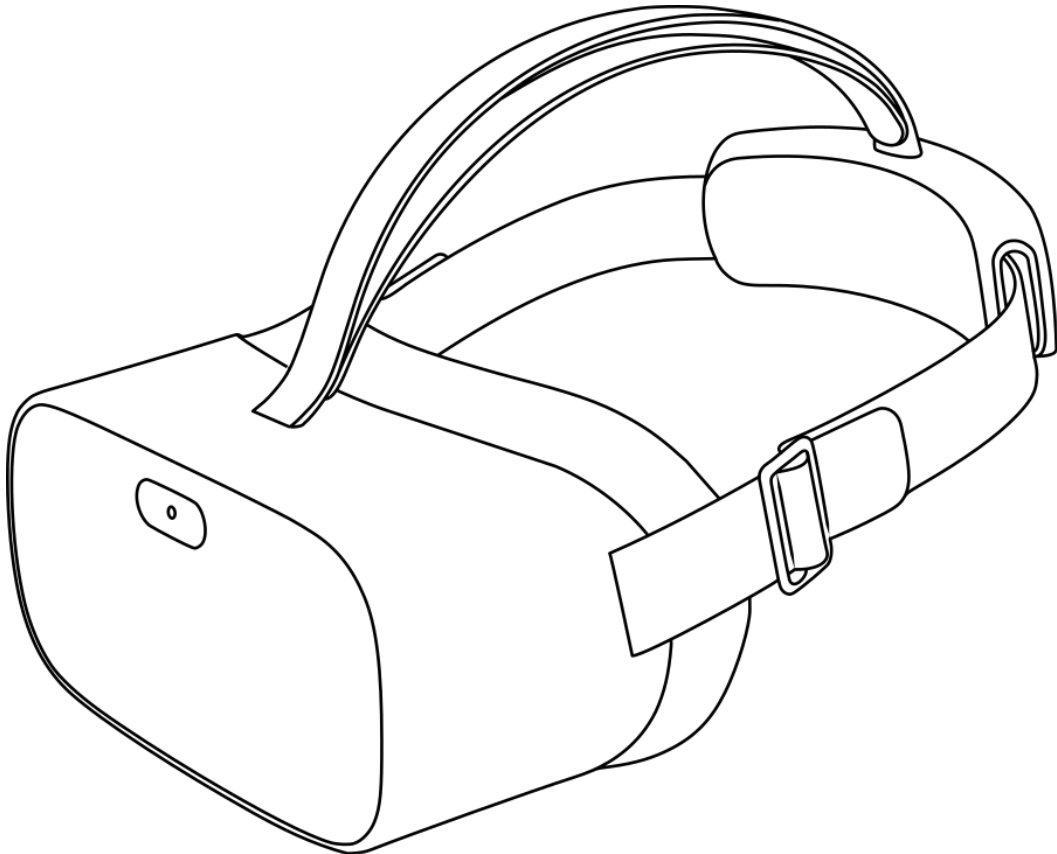
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As a method of improving the quality of care, HypnoVR is a classification 1 medical device, which reduces patient's pain and stress thanks to medical hypnosis by virtual reality.

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- Clinical efficacy proven in 18 clinical studies.
- Suitable for many [medical specialisms](#).
- Non-medicated alternative, simple to use and easily accessible.



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- 7 languages
- Female and male voices for adults and children

## Suitable for medical use

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