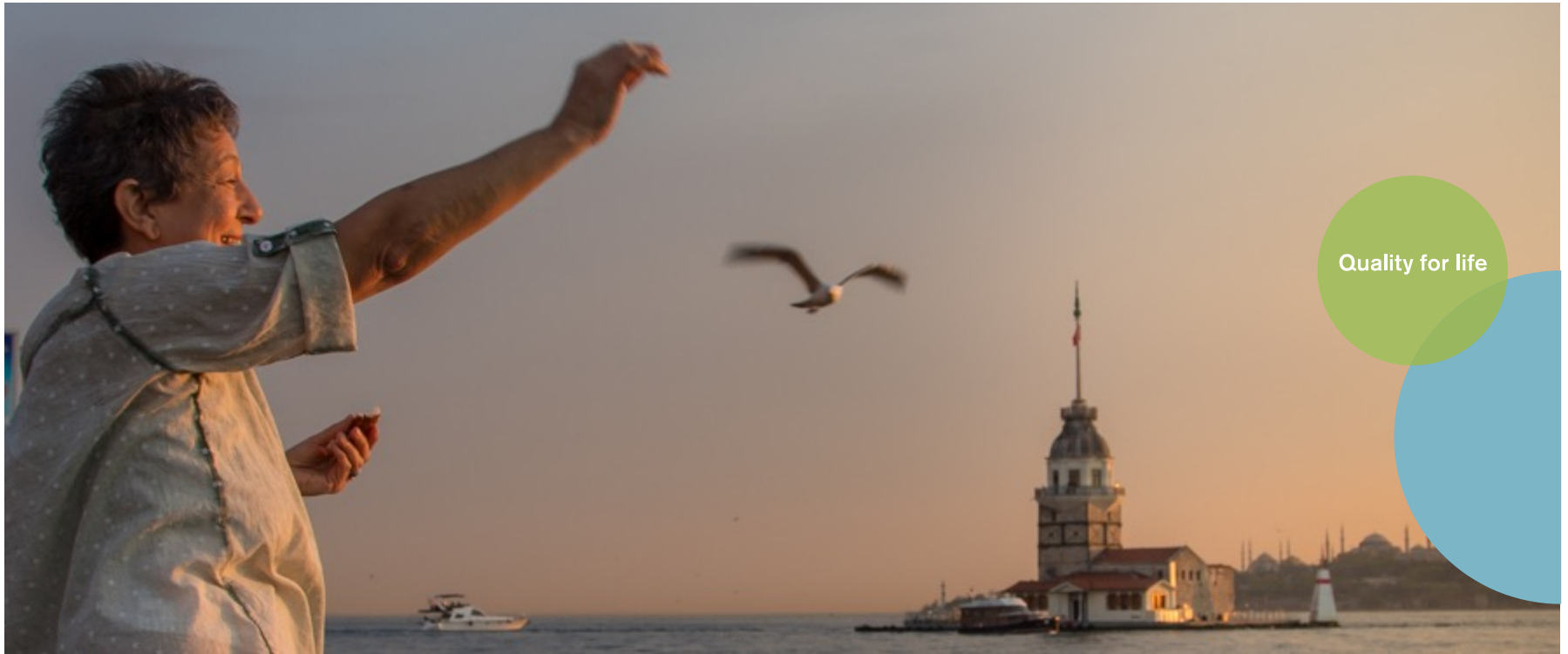


# Diabetes Treatment Concept

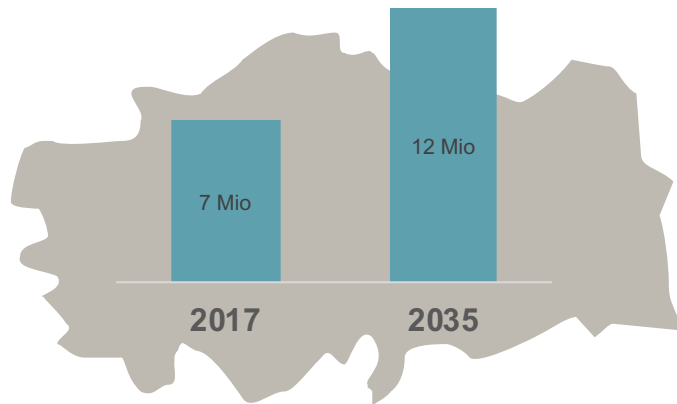
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CANAKKALE | 23. October 2019



Diabetes is one of the largest global health emergencies of the 21st century and one of the main reason for an amputation

### Increasing number of Diabetes patients



### HEALTH EXPENDITURES

**16%** of total health expenditure in Turkey was allocated for Diabetes

People with Diabetes with foot ulcers experience health expenditures 5 times higher than those without foot ulcers.

**12,8 % of all Turkish adults between 20 and 79 have diabetes. This is one of the highest prevalence's in Europe.**

### GENERATION 40 +

the majority of people with diabetes type 2 are older than 40 years, one-third are older than 65 years

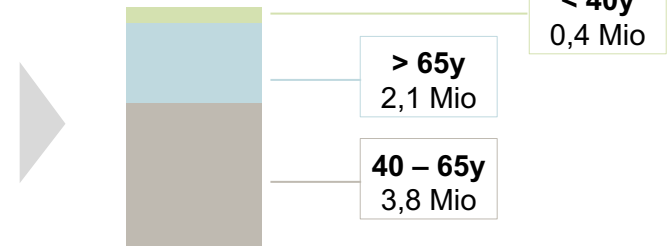
Adults with Diabetes

**7 Mio**



Adults with Diabetes Type 2

**6,3 Mio**



# Ottobock as partner in Diabetes Treatment



## Diabetic Foot Service

- Diabetic foot is a severe chronic complication of Diabetes as consequence of neurological disorders and PVD in the lower limbs.
- Bad healing, deep wounds in the foot reduce the mobility of the patients and can require an amputation.

Prevention of Diabetic Foot Symptoms

Increase mobility through medical devices

Reduce pain & pressure

Avoid spread of ulcers and amputations



## Post Amputation Service

- Despite of an early treatment of the diabetic foot, not all amputations can be avoided.
- The consequences are a reduced mobility of the patients and a high mortality rate after amputation.

Early rehabilitation & mobilization

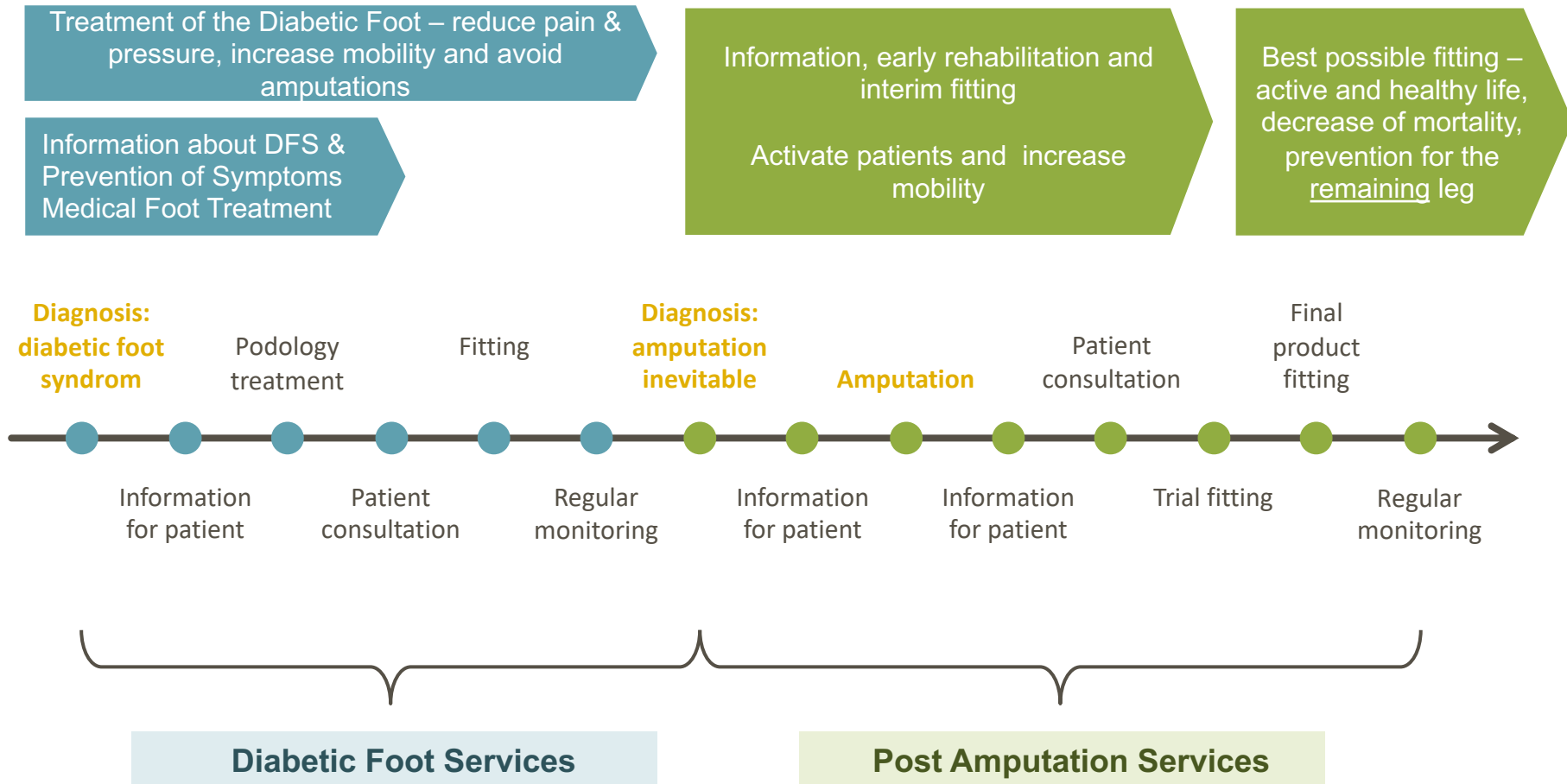
Increase mobility through medical devices

Decrease mortality through higher mobility level

Prevention of the remaining leg and of further amputation

# Ottobock Diabetes Treatment Concept

Interdisciplinary team: Doctor + Podolog + Therapist + Technician + Patient



## Prevention & treatment of the diabetic foot

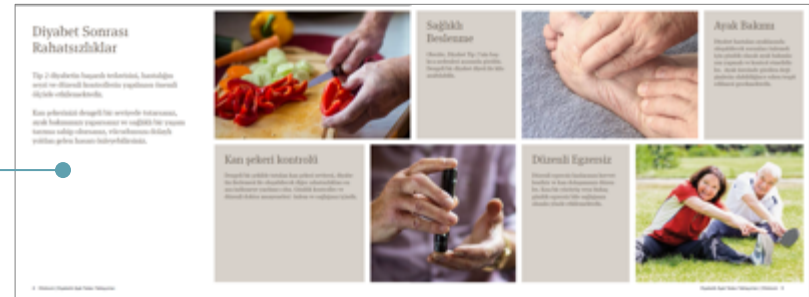
early contact to the patient as prevention to avoid deformities as Charcot foot, deterioration/ spread of ulcers, rising immobility and amputations

### Prevention



#### Information

- Diabetic foot“ brochure
- Individual consultation hours
- Special seminars
- Diabetes website



### Services



#### Podology

- Preventive footcare
- Treatment of diabetic foot
- Foot consulting
- Sensibilizing of the patient (right foot hygiene & own regular foot controls)
- Regular monitoring



#### Woundhealing

- Treatment of ulcer and wounds
- Product: Plasmaderm



### Products



#### Products

- Walker
- Orthopedic/ relief shoes
- Insoles
- Socks for Diabetics

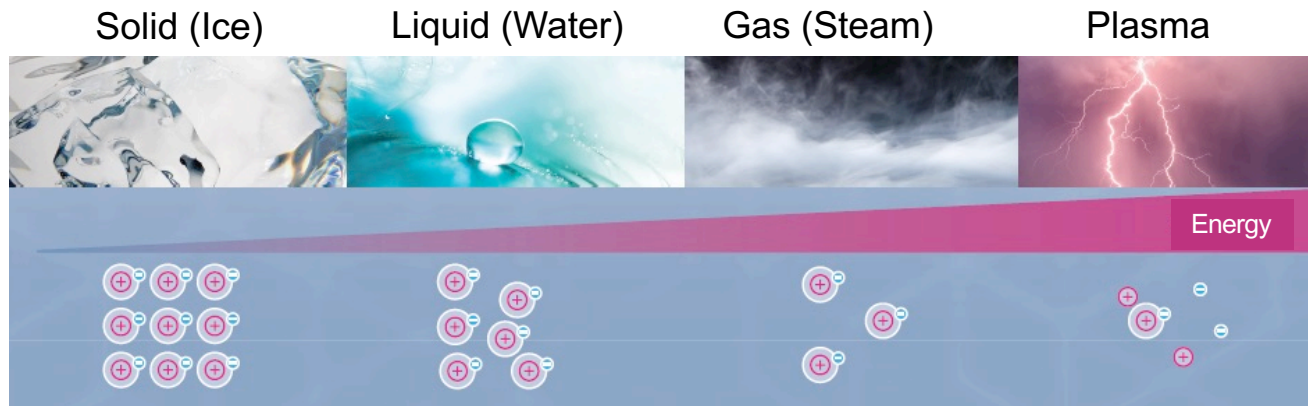


# Systematic of Diabetic Foot Services



# Woundhealing – PlasmaDerm

## What is Plasma?



Plasma is the fourth state of matter after solid, liquid and gaseous. If you bring energy to each of these aggregate states, the particles change and the next state is created.



# Woundhealing – PlasmaDerm

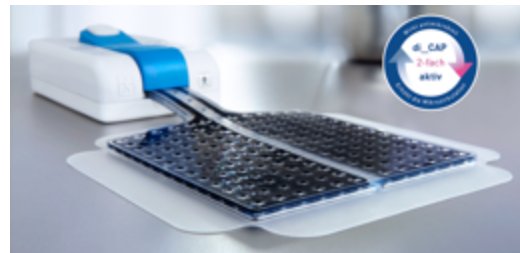
## PlasmaDerm® Flex



- For mid-size wounds: 27.5 sqcm / treatment

## PlasmaDerm® Dress

- For big wound surfaces: 200 sqcm/treatment
- First plasma wound dressing
- Can be left up to 7 days under the dressing / bandage for daily application of plasma
- Perforation of wound dressing allows exsudat management
- 100% medical, conductive silicone
- Also for postoperative use



## PlasmaDerm® Cutan



- Ideal for small wounds, cavities: 2 cm Ø / treatment



# Indication-Matrix

Diyabetik Ayak için Endikasyon Matriksi								
Ürünler	Diyabetik Çorap	Diyabetik Tabanlık	Diyabetik Ayakkabı	Vacoped Diabetic	Vacopedes Diabetic	Post-Op Terapi Ayakkabısı	PlasmaDerm®	Podoloji
								
<b>Endikasyonlar</b>								
Nöropati, ayakta ısı değişikliği	●	●	●					●
Batık tırnak	●	●	●					●
Ayak tabanında basınç değişikliği	●	●	●				●	●
Parmak deformiteleri		●	●		●		●	●
Anjiyopati / İskemi						●	●	●
Ayak Ülseri				●	●	●		●
Charcot Ayağı				●				●
Ön ayak amputasyonu							●	●

## Patient male, 64 years

Primary disease	Pressure ulceration, nursing care, bedridden person
Wound existing since	15 years
Plasma treatment duration	2 weeks
Number of treatments	6 treatments



## Patient female, 58 years

Primary disease	Diabetic foot ulcer
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Wound existing since	1 year
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Plasma treatment duration	2 weeks
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Number of treatments	4 treatments
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## Custom Insole

### Patient male, 59 years

Primary disease	Diabetic foot ulcer
Wound existing since	6 months
Duration of insole use	1 month







**THANK YOU VERY MUCH!**

# Backup

## Treatment & Prevention after Amputation

Despite of an early treatment of the diabetic foot, not all amputations can be avoided.

### Early Access



- „Early access to patients through Diabetic Foot Concept – OB is known as competent and reliable partner

### Network

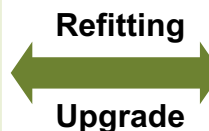


- Consultation before amputation
- Clinical network / Cooperation with doctors

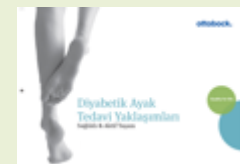
### Fitting



- Prosthetic fitting directly after amputation – positive experience of use
- Best possible fittings with an interdisciplinary team → patients should be able to live an active and healthy life



### Prevention



- Treatment of the „healthy leg“ and prevention of another amputation

**Diabetic Foot Concept**



# Before and after pictures

48 years old female patient with a face graft



**13th day after graft**



**after 2 therapies**



**after 5 therapies**

# Before and after pictures

55 years old female patient with diabetic foot ulcer

**before therapy**



**after 4 therapies**

# Before and after pictures

69 years old male patient with decubitus ulcer

**before therapy**



**after 6 therapies**

# Before and after pictures

78 years old female patient with peripheral artery disease

**before therapy**



**after 8 therapies**