AXİS
CENTER FOR PRODUCTION AND APPLICATION OF ORTESIS AND PROSTHESES

2D MEDIKAL

PERSONELL

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Scope of our activities

- INDIVIDUAL ORTHOTICS
- INDIVIDUAL PROTHETICIS
- MEDICAL SUPPLIES
- PHYSIOTHERAPY
- REABILITATION
- HOSPITAL EQUIPMENT

SOPHISTICATED PROTHESIS

- Prosthesis with active vacuum system with popliteal amputations
- The active vacuum is the system of fixing the prosthesis. This system provides a more reliable connection of the leg prosthesis with the stump.
- The active vacuum system actually pumps out all the air between the stump, which is considered an amputated part of the leg, and the socket. The system is adapted to the level of user activity and its needs. In addition to providing a tight connection between the socket and the prosthesis, the volume of the stump is also stabilized. A tight joint also positively affects the use of the prosthesis. Suitable equally for popliteal amputations.

SOPHISTICATED PROTHESIS

- PROSTHETIC LEGS FROM CARBON MATERIAL WITH KNEE JOINT AND MICROPROCESSOR CONTROL
- The prosthetic leg with microprocessor control is designed for patients who want to lead a normal life and be independent. At the same time, we are talking about mobility and freedom of movement. The knee joint is checked by an integrated sensor system. Due to this system, matching of different walking speeds is ensured. Even in unsafe situations, for example, when fast-slow walking, when you overcome obstacles and descend stairs, all normal movements are possible.

SOPHISTICATED PROTHESIS

- NON-PERCUSED PROSTHETIC GENIUM X3 OTTOBOCK
- RUN MODE
- FLOATING MODE
- LADDER HOLIDAY MODE
- WATERPROOF
- PROSTHESIS WITH MICROPROCESSOR CONTROL WITH CHARACTERISTICS OF THE MOST CLOSE TO THE CHARACTERISTICS OF LIMB

SOPHISTICATED PROTHESIS

BIONIC PROTEZ OF HANDS

Microelectric prosthesis is a multi-joint bionic arm that provides additional opportunities and is one of the advanced types of prostheses. The user can change the position of the thumb. There are 36 different positions that the user changes using a mobile application.

- The ability to learn subjects and stop and the movement system in the fingers of the brush helps to keep the object neat and study it. Fingers have the ability to flex in the joints.
- A variety of wrist positions and flexing methods provide the most comfortable position of the patient's hand performing a particular action.

COSMETIC PROSTHESES

- COSMETIC SILICONE PROSTHESES OF WRIST

- COSMETIC SILICONE PROSTHESIS OF SOLE

EXOSKELETON

- It is a robotic outer frame equipped with electric motors, due to which the movement of the thighs and knees of patients with spinal cord injuries is provided, which allows such people to stand upright, walk, turn, climb and descend the stairs. The system is worn and fastened on the body, and due to a computer-based control system and motion sensors, the user sets the motion. The system simulates a natural gait, thereby providing a controlled and free movement.

CARBONOUS ORTESIS FOR LONG-TERM USE

- E-MAG - knee joint system with active electronic control
- E-MAG has been developed for users who have problems, such as stretching the knee ligament apparatus, in which it is impossible to perform functions with an active orthosis (the stable state of the knee joint is not maintained). In such cases, fixing the knee joint without aids is impossible.
- In the system of active orthosis E - mag; A smart sensor system measures the position of the foot when walking and, based on this, controls the knee joint. For reliable support, the electronic knee joint during walking is fixed in the support phase on the foot and unlocked during the pumping phase for more natural walking.

CARBONOUS ORTESIS FOR LONG-TERM USE

- Carbon device for a long walk
- Beginning from the hip and an orthotics on the leg to hold the lower extremities in the anatomical position, adjust their position or release from the load if the lower limbs can not perform their function or if there is a violation of their shape is called a carbon device for long walking. This orthosis is designed to assist with walking in order to support the lower extremities of patients with congenital, cerebral, paraplegic paralysis, anomalies, sciatic nerve injuries and poliomyelitis.

DYNAMIC ANKLE FOOT ORTHOSIS

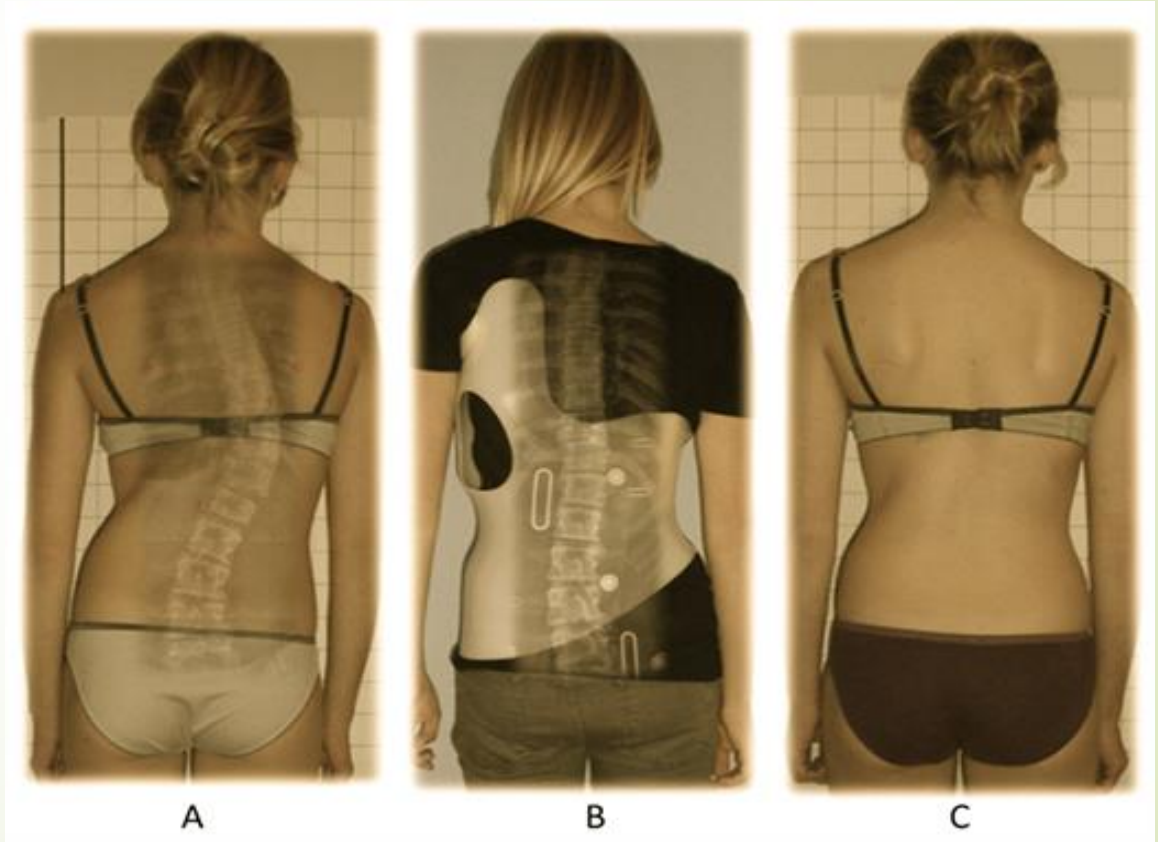
- DYNAMIC ANKLE FOOT ORTHOSIS DAFO;
- This is the abbreviation for the dynamic orthosis of the sure of DAFO Dynamic Ankle Foot Orthosis. Used to prevent disruption of forms in the field of application, provide protection after operations, increase stability and assist with walking. Performed on the basis of individual parameters.

Orthoses for a hanging foot

- KARBON AFO
- Causes:
- Brain hemorrhage, blockage of blood vessels, brain tumor
- Accidents, tumors, injuries
- Pressure on the intervertebral hernia and similar causes
- Errors in the field of nerve injections
- Injury of the sciatic nerve
- Partial or complete damage to the sciatic nerve
- Pathological changes developing along the sciatic nerve

Corsets for scoliosis

Scoliosis is the curvature of the spine left or right 10 degrees. In addition, the spine is curved around itself. The common spine should be even when viewed from the back. However, if you look at the spine with scoliosis, you can see that it is twisted. Scoliosis can be represented, both in the form of one curvature, and in the form of several.



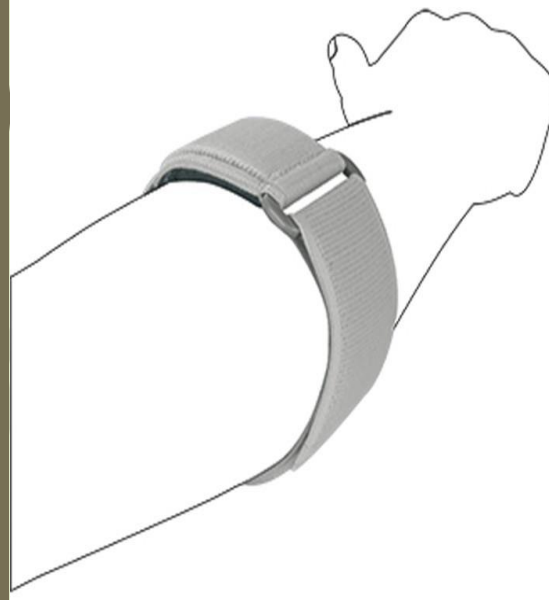
SAFO (silicone protector)

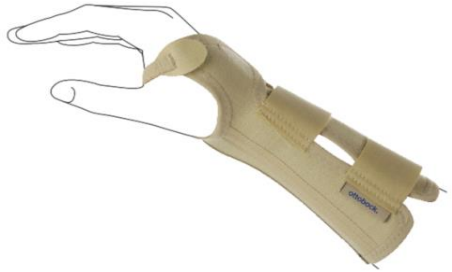
Causes:
Hemorrhage in the brain, blockage of blood vessels, brain tumor
Diseases of the brain and spine
Various causes like accidents, swelling, trauma
Pressure on the intervertebral hernia or pressure exerted by hernia
Errors in the field of nerve injections
Injury of the sciatic nerve
Partial or complete damage to the sciatic nerve
Pathological changes developing along the sciatic nerve

Orthesis of the wrist

The most common injuries of the wrist and restriction of movements. Many chronic and acute diseases are the cause of the appearance of pain in the area of the wrist.
Damage / injury: Such situations can lead to difficulty in movement or fracture. Prolonged load: If during work or while playing sports on the wrist, there are always loads, then the wrist structure can undergo deformation or stress fractures. Tendon tendon rupture can occur with a sharp load, injury or after long-term stress. The gap can be partial or complete.

MEDICAL SUPPLIES





PHYSIOTHERAPY GOODS

REABILITATION GOODS