MIPS – Minimally Invasive Ponto Surgery

The proven tissue preservation technique with the Ponto System has been refined. MIPS (Minimally Invasive Ponto Surgery) is a less invasive procedure supported by complete surgical instrumentation for eminent control and facility during surgery.

Suture-free surgery - no scarring
MIPS is performed with minimal skin penetration and with less interference to skin tissue than ever before. By only removing the soft tissue that corresponds to the diameter of the Ponto abutment, there is no need for suturing and thus scarring is kept to a minimum.

MIPS in stages:
1. Punch 2. Insert cannula 3. Drill 4. Insert implant 5. Apply soft healing cap and dressing

A groundbreaking design

Cannula guide drill
The stepped twist drill design provides efficient bone dust removal. The Diamond Like Carbon (DLC) coating also reduces friction which means less heat generation during drilling.

Cannula widening drills
The unique twist drills with DLC coating offer superior cutting performance whilst widening the hole.

Cannula
The cannula ensures the correct drilling depth while protecting the surrounding soft tissue. It also enables adequate cooling.

Soft healing cap
The resilient design of the soft healing cap with its open processor interface, enables connection of the sound processor while the healing cap is still attached.

Complete MIPS surgical components
The components needed to perform MIPS are available in one convenient blister pack:

- Cannula guide drill
- Cannula widening drills
- Cannula
- Soft healing cap

Complete MIPS surgical components

Controlled efficiency
The risk of any heat induced tissue trauma to the bone was taken into consideration during the development of the MIPS components and procedure. Less force is required to drill with the MIPS system drills compared to conventional drills, indicating a significantly more efficient cutting capability.*

* Evaluation of the MIPS drilling system for installation of BAHS. Oticon Medical report 33730

“Tissue preservation has been a great improvement for patients. With MIPS, the cosmetic outcomes are even better”
Malou Hultcrantz, Professor, MD, PhD

Conventional Guide Drill

Cannula Widening Drill

Cannula guide drill

Cannula widening drills

Cannula

Soft healing cap

ALL NEW
WATCH MIPS
oticonmedical.com/mipsvideo

MIPS – Minimally Invasive Ponto Surgery

Efficient bone dust removal via new twist drill design
Irrigation and cooling with cannula in place
Soft tissue protection with cannula

Drilling depth (mm)

Drilling force (N)
The OptiFit™ shape of the Ponto abutments fits naturally to the circular incision. This reduces the body’s need to form new tissue in pockets and pathways surrounding the abutment.

Tailor-made surgical components

MIPS components are designed for surgical control and precise tactile feedback using the new cannula and state-of-the-art drill system.

Minimizing post-op complications

By minimizing intervention, MIPS aims to reduce the risk of any complications following surgery. By maximizing tissue preservation the patient’s blood supply, microcirculation and nerves are left as intact as possible. This gives patients less numbness and pain and a shorter healing period.


Because sound matters

Oticon Medical is a global company in implantable hearing solutions, dedicated to bringing the magical world of sound to people at every stage of life. As a member of one of the world’s largest groups of hearing healthcare companies, we share a close link with Oticon and direct access to the latest advancements in hearing research and technologies. Our competencies span more than a century of innovations in sound processing and decades of pioneering experience in hearing implant technology.

By working collaboratively with patients, physicians and hearing care professionals, we ensure that every solution we create is designed with your needs in mind. We share an unwavering commitment to provide innovative solutions and support that enhance quality of life for people wherever life may take them. Because we know how much sound matters.

Perfect fit

Understanding patients

Global service & support

Leading research & know-how

Innovative & proven technology

Clinical support tools

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