Cranial Fixation Systems
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Surgeries of the brain and spine are among the most delicate and demanding procedures in the field of medicine. As a neurosurgeon, you expect excellence from the instruments and devices you use to treat your patients. Aesculap’s exacting standards and commitment to quality have made us a trusted choice for neurosurgeons worldwide. From initial incision to complete closure, our treatment solutions will help you to provide outstanding patient care.

Aesculap offers a full range of products for the fixation of cranial bone flaps and fractures. With everything from double-sided fixation, to plates and screws, Aesculap is the solution for all of your cranial fixation needs!
Since its introduction in 1997, Aesculap’s CranioFix titanium clamp system has been an outstanding success. As the first double-sided fixation system on the market, CranioFix revolutionized neurosurgery by giving neurosurgeons a way to achieve maximum flap stability while saving valuable time in the operating room.

Aesculap improved on its history of success with the next generation of cranial fixation, the CranioFix 2. An improved pin-grasping mechanism makes clamp application up to 40% faster than with the first generation CranioFix. Bone flaps are fixed in less than two minutes! Grounded in proven CranioFix technology, this new system raised the bar on speed, efficiency and reliability.

In the past 15 years, 2.5 million clamps have been implanted in over 700,000 patients worldwide! Currently, more than 200 patients are treated with CranioFix each day.

Features and Benefits

- The screwless design saves you time in the operating room by eliminating your need to pre-drill and manage many small parts.
- Simply position the clamps, replace the bone flap, secure and tighten the clamps and cut the residual pins. Cranial fixation doesn’t get much easier!
- Atraumatic design of the titanium clamps helps ensure rapid and safe healing
- Low profile clamps provide excellent cosmetic results
- MR Conditional
- Patented strain-relief mechanism ensures that clamps are applied with the same amount of strength every time
- No manual cleaning and no disassembly/reassembly required - allows for improved and accelerated reprocessing

Indications for Use

Aesculap CranioFix 2 System is intended for use in the fixation of cranioplasty plates, covering burr holes, and fixation of cranial fractures.
See Instructions for Use for additional information regarding Warnings and Precautions. Rx only
Optimal Surgical Outcome

The atraumatic design of CranioFix® 2 titanium clamps helps ensure rapid and safe healing while their low profile provides excellent cosmetic results.
Description of Instruments

Patient ID

For easy postoperative radiological identification of the CranioFix® 2 implants, specially developed multilingual patient IDs are available for the patients.

CranioFix 2 Implants

- **FF490T**: CranioFix 2 clamp, 11 mm (box of 12)
- **FF491T**: CranioFix 2 clamp, 16 mm (box of 6)
- **FF492T**: CranioFix 2 clamp, 20 mm (box of 6)

CranioFix 2 Instruments

- **FF494R**: CranioFix 2 applier with automatic strain relief
- **FF105R**: CranioFix 2 holding forceps
- **FF103R**: CranioFix 2 pin cutter
- **FF104R**: CranioFix 2 removal forceps

CranioFix 2 Trays

- **MD119**: CranioFix 2 Tray (instruments not included)
- **MD371**: CranioFix®/ScalpFix tray with lid (instruments not included)
- **JG598**: Sterilit® instrument oil (bottle)
- **JG600**: Sterilit instrument oil (aerosol)
CranioFix® Absorbable
Instrument-Free, Absorbable Cranial Fixation System

CranioFix Absorbable is a double-sided bone flap fixation system that provides secure cranial fixation upon implantation, but absorbs into the body over a period of two to three years. This system supports the complete osseointegration of cranial flaps in both pediatric and adult patients.

CranioFix Absorbable implants retain approximately 90-95% of their initial strength after 8-12 weeks. As the implants begin to break down, they are metabolized by the body.

Features and Benefits

- Metal-free, absorbable implants dissolve within 24-36 months: will not migrate, do not require secondary surgeries for removal
- Low profile implants ensure optimal cosmetic results, especially in the frontal area: cannot be seen or felt beneath the skin
- Quick three-step, instrument-free application minimizes OR time and eliminates drilling
- Integrated automatic strain-relief mechanism delivers reproducible fixation, while suture chain-block mechanism ensures high clamp stability
- Radiolucent polyester implant material is MRI and CT safe
- Implants are supplied sterile and ready to use. No cleaning, reprocessing or sterilization of additional instrumentation required

Developed in cooperation with K.-D. Lerch, M.D., Dortmund, Germany

Indications for Use
Aesculap’s Absorbable CranioFix is intended for fixation of cranial bone flaps.
See Instructions for Use for additional information regarding Warnings and Precautions. Rx only
CranioFix® Absorbable
Instrument-Free, Absorbable Cranial Fixation System

Fast & Easy Cranial Fixation
1. Position implants
2. Pull handle
3. Cut suture

Knot-pusher
Self-closing knot
Chain-block fixation mechanism
Implant

FF016 CranioFix Absorbable, 11 mm, box of 6 implants
FF017 CranioFix Absorbable, 16 mm, box of 6 implants
CranioPlate has been specially developed for the fixation of cranial bone flaps and skull fractures. Its special selection of neurosurgery implants covers all indications in cranial fixation. The distinguishing feature of CranioPlate is its modular storage concept. Low profile plate and screw implants are supplied in clear storage modules. This enables you to load your CranioPlate system with components entirely in accordance with your individual requirements. An open storage concept makes mechanical cleaning possible, even with fully loaded storage units (excluding instruments). Residual water and dirt will be a thing of the past!

Features and Benefits

- CranioPlate’s open storage concept makes mechanical cleaning possible even with fully loaded storage units (excluding instruments).
- Storage units can be housed in all standard trays and containers.
- 0.6 mm low profile plates made from pure titanium provide for an excellent cosmetic result
- Self-drilling screws for ease of use
- Unique screw magazine of the CranioPlate system eliminates the tedious sorting of individual screws

Indications for Use

The Aesculap CranioFacial Plate and Screw System is intended for use in selective trauma of the mid-face and craniofacial skeleton; craniofacial surgery, reconstructive procedures, and selective orthograde surgery of the maxilla and chin.

See Instructions for Use for additional information regarding Warnings and Precautions. Rx only
Ordering Information

**Screw magazine with 8 screws**

1.5 mm

Screw magazine with 8 self-drilling screws, cross head
Length 3 mm, FM920T
Length 4 mm, FM921T
Length 5 mm, FM922T

1.8 mm

Screw magazine with 8 emergency screws, self-tapping, cross head
Length 3 mm, FM926T
Length 5 mm, FM927T

**Instruments**

Screwdriver Handle
1 piece FM902R
Screwdriver blade cross head
1 piece FM916R

Plate cutting forceps
1 piece FM903R

Plate bending forceps
1 piece FM904R

Holding forceps
1 piece FM905R

**Storage / modules**

Storage Unit
1 piece FM910P

Screws Module
1 piece FM911P

Plates Module
1 piece FM913P

Mesh Module
1 piece FM915P
Straight 2 hole, length 11 mm
1 piece FM960T
5 pieces FM980T

Straight 2 hole, length 16 mm
1 piece FM961T
5 pieces FM981T

Straight 4 hole, length 17 mm
1 piece FM962T
5 pieces FM982T

Straight 4 hole, length 20 mm
1 piece FM963T
5 pieces FM983T

Y plate 5 hole, length 17 mm
1 piece FM964T

Straight 16 hole, length 63 mm
1 piece FM965T

Double Y plate 6 hole, length 15 mm
1 piece FM966T

Double Y plate 6 hole, length 17 mm
1 piece FM967T

Box car 4 hole, length 10 mm
1 piece FM968T

Box car 6 hole, length 17 mm
1 piece FM969T

Box car 8 hole, length 24 mm
1 piece FM970T

Burr hole cover 16 mm
1 piece FM971T

Burr hole cover 20 mm
1 piece FM972T

Mesh 65 x 90 mm, 0.6 mm
1 piece FM973T

Mesh 68 x 91 mm, 0.6 mm
1 piece FM974T

MD371
CranioFix®/ScalpFix tray with lid
(instruments not included)