Highlights 2021
Oral and Maxillofacial Surgery

Treatment of Salivary Stones and Stenoses in the Salivary Duct

FOR U.S. USE ONLY
Endoscopic Treatment and Removal of Salivary Stones and Stenoses in the Salivary Duct

Sialendoscopes Diagnosis/Therapy

ALL-IN-ONE Sialendoscopes, ERLangen model

MARCHAL ALL-IN-ONE Sialendoscopes

MARCHAL Modular Sialendoscopes

Instruments

Dilation Instruments/Stone Extractors
Micro Burrs/Forceps/Curved Scissors
ALL-IN-ONE Sialendoscopes, ERLANGEN Model

Special Features:

- Semiflexible miniature endoscopes for exploring the salivary ducts and removing salivary stones
- cm-marking at the distal working end for reading the penetration depth
- Semiflexible thanks to the nitinol outer sheath
- ALL-IN-ONE sialendoscopes with integrated irrigation and working channels
- Enables the minimally invasive removal of obstructions in the salivary ducts
- Autoclavable sialendoscopes
Diagnostic Sialendoscopes

11572A  Miniature Straight Forward Telescope 0°, NITI, diameter 0.8 mm, working length 10 cm, semiflexible, autoclavable, irrigation channel diameter 0.25 mm, length 140 cm, with remote eyepiece, fiber optic light transmission incorporated

Therapeutic Sialendoscopes

11573A  Miniature Straight Forward Telescope 0°, NITI, diameter 1.1 mm, working length 10 cm, semiflexible, autoclavable, working channel diameter 0.45 mm, irrigation channel diameter 0.25 mm, length 140 cm, remote eyepiece, fiber optic light transmission incorporated

11574A  Miniature Straight Forward Telescope 0°, NITI, diameter 1.6 mm, working length 10 cm, semiflexible, autoclavable, working channel diameter 0.8 mm, irrigation channel diameter 0.25 mm, length 140 cm, with remote eyepiece, fiber optic light transmission incorporated

Dilation Instruments

745910  Dilator, for the salivary duct, length 14 cm

745920  Same, size 1, diameter 0.5-0.8 mm

745921  Same, size 2, diameter 0.7-1 mm

745922  Same, size 3, diameter 0.9-1.2 mm

745923  Same, size 4, diameter 1-1.6 mm

745924  Same, size 5, diameter 1.1-1.8 mm

Further instruments for dilation can be found in the ENT catalog.
Instruments

11574TJ  **Foreign Body Forceps**, flexible, double action jaws, diameter 0.8 mm, working length 30 cm
11574ZJ  **Biopsy Forceps**, flexible, double action jaws, diameter 0.8 mm, working length 30 cm
11573MB  **Micro Burr for Salivary Stones**, diameter 0.38 mm, for use with Miniature Straight Forward Telescopes 11573A and 11582A
11574MB  **Micro Burr for Salivary Stones**, diameter 0.8 mm, for use with Miniature Straight Forward Telescopes 11574A and 11583A

Single-use Products

11575K  **Stone Extractor**, diameter 0.6 mm, basket with 3 wires, sterile, for single use
11575L  **Stone Extractor**, diameter 0.6 mm, basket with 6 wires, sterile, for single use
11582M  **Stone Extractor**, diameter 0.4 mm, basket with 4 wires, sterile, for single use
11573NP  **Stone Extractor**, front-loading without handle, diameter 0.4 mm, basket with 4 wires, length 35 cm, sterile, for single use, package of 10
11573T  **Stone Extractor**, diameter 0.6 mm, basket with 4 wires, tipless, handle for fixation to endoscope
11573M  **Stone Extractor**, diameter 0.4 mm, basket with 4 wires, handle for fixation to endoscope

Please note: The compatibility of the stone extractors depends on the working channel diameter of the respective sialendoscopes.
Forceps and Scissors

745715  **Dressing Forceps**, angled, length 15 cm
745716  **Tissue Forceps**, angled, with 1 x 2 teeth, length 15 cm
745717  **Angled Scissors for Salivary Glands**, with bulb, length 14 cm
745719  **METZENBAUM Scissors**, for sialolithotomy, curved, sharp/sharp, length 18 cm

Reprocessing

39312A-SIA  **Sialendoscopy Instrument Set Tray**, DM: 21.55” x 10.18” x 4.37”

Cleaning Brushes

27651K4  **Cleaning Brush**, round, flexible, for irrigation channel diameter 0.2-0.25 mm, length 30 cm, for single use, package of 10
27651K5  **Cleaning Brush**, round, flexible, for irrigation channel diameter 0.25-0.4 mm, length 40 cm, for single use, package of 10
27651K1  **Cleaning Brush**, round, flexible, for irrigation channel diameter 0.4-0.6 mm, length 40 cm, for single use, package of 10
27651K2  **Cleaning Brush**, round, flexible, for irrigation channel diameter 0.6-0.8 mm, length 40 cm, for single use, package of 10
27651K3  **Cleaning Brush**, round, flexible, for irrigation channel diameter 0.8-1.4 mm, length 40 cm, for single use, package of 10
MARCHAL ALL-IN-ONE Sialendoscopes

Special Features:

- Semiflexible miniature endoscopes for exploring the salivary ducts and removing salivary stones
- cm-marking at the distal working end for reading the penetration depth
- ALL-IN-ONE sialendoscopes with integrated irrigation and working channels
- 5° curvature at the distal tip
- Enables the minimally invasive removal of obstructions in the salivary ducts
- Autoclavable sialendoscopes
Diagnostic Sialendoscopes

11581A  Miniature Straight Forward Telescope 0°, diameter 0.89 mm, working length 12 cm, semirigid, autoclavable, distal angle 5°, irrigation channel 0.2 mm, length 140 cm, remote eyepiece with fiber optic light transmission incorporated, including Protective Tube 11520P

Therapeutic Sialendoscopes

11582A  Miniature Straight Forward Telescope, diameter 1.1 mm, working length 12 cm, semirigid, autoclavable, distal angle 5°, working channel 0.45 mm, irrigation channel 0.2 mm, length 140 cm, remote eyepiece with fiber optic light transmission incorporated, including Protective Tube 11520P

11575A  Miniature Straight Forward Telescope, diameter 1.3 mm, working length 12 cm, semirigid, autoclavable, distal angle 5°, working channel diameter 0.6 mm, irrigation channel diameter 0.25 mm, length 100 cm, remote eyepiece with fiber optic light transmission incorporated, including Protective Tube 11520P

11583A  Miniature Straight Forward Telescope, diameter 1.6 mm, working length 12 cm, semirigid, autoclavable, distal angle 5°, working channel 0.8 mm, irrigation channel 0.25 mm, length 140 cm, remote eyepiece with fiber optic light transmission incorporated

Salivary Duct Probes

745847  Salivary Duct Probe, size 0000

745848  Same, size 000

745849  Same, size 00

745850  Same, size 0

745851  Same, size 1

745852  Same, size 2

745853  Same, size 3

745854  Same, size 4

745855  Same, size 5

745856  Same, size 6

745857  Same, size 7

745858  Same, size 8
MARCHAL Bougies and Guide Wires

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>745708</td>
<td>MARCHAL Bougie, diameter 1 mm, for use with Guide Wire 745725</td>
</tr>
<tr>
<td>745709</td>
<td>Same, diameter 1.5 mm</td>
</tr>
<tr>
<td>745710</td>
<td>Same, diameter 2 mm, for use with Guide Wire 745725</td>
</tr>
<tr>
<td>745711</td>
<td>Same, diameter 2.5 mm, for use with Guide Wire 745725</td>
</tr>
<tr>
<td>745712</td>
<td>Same, diameter 3 mm, for use with Guide Wire 745725</td>
</tr>
<tr>
<td>745713</td>
<td>Same, diameter 3.5 mm, for use with Guide Wire 745720</td>
</tr>
<tr>
<td>745720</td>
<td>Guide Wire, diameter 0.6 mm, sterile, for single use, package of 10,</td>
</tr>
<tr>
<td></td>
<td>for use with Bougies 745710-745713</td>
</tr>
<tr>
<td>745725</td>
<td>Same, diameter 0.4 mm, for use with Bougies 745808-745713</td>
</tr>
</tbody>
</table>

Dilator

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>745910</td>
<td>Dilator for the Salivary Duct, length 14 cm</td>
</tr>
</tbody>
</table>

Instruments

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>11583TJ</td>
<td>Foreign Body Forceps, flexible, double action jaws, diameter 0.8 mm,</td>
</tr>
<tr>
<td></td>
<td>working length 26.5 cm</td>
</tr>
<tr>
<td>11583ZJ</td>
<td>Biopsy Forceps, flexible, double action jaws, diameter 0.8 mm, working</td>
</tr>
<tr>
<td></td>
<td>length 26.5 cm</td>
</tr>
<tr>
<td>11573MB</td>
<td>Micro Burr for Salivary Stones, diameter 0.38 mm, for use with Miniature</td>
</tr>
<tr>
<td></td>
<td>Straight Forward Telescopes 11573A and 11582A</td>
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<td>11574MB</td>
<td>Micro Burr for Salivary Stones, diameter 0.8 mm, for use with Telescopes</td>
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Single-use Products

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<tr>
<td>11575K</td>
<td>Stone Extractor, diameter 0.6 mm, basket with 3 wires, sterile, for single</td>
</tr>
<tr>
<td></td>
<td>use</td>
</tr>
<tr>
<td>11575L</td>
<td>Stone Extractor, diameter 0.6 mm, basket with 6 wires, sterile, for single</td>
</tr>
<tr>
<td></td>
<td>use</td>
</tr>
<tr>
<td>11582M</td>
<td>Stone Extractor, diameter 0.4 mm, basket with 4 wires, sterile, for single</td>
</tr>
<tr>
<td></td>
<td>use</td>
</tr>
<tr>
<td>11573NP</td>
<td>Stone Extractor, diameter 0.4 mm, front-loading without handle, basket with</td>
</tr>
<tr>
<td></td>
<td>4 wires, length 35 cm, sterile, for single use, package of 10</td>
</tr>
<tr>
<td>11573T</td>
<td>Stone Extractor, diameter 0.6 mm, basket with 4 wires, tipless, handle for</td>
</tr>
<tr>
<td></td>
<td>fixation to endoscope, sterile</td>
</tr>
<tr>
<td>11573M</td>
<td>Stone Extractor, diameter 0.4 mm, basket with 4 wires, handle for fixation</td>
</tr>
<tr>
<td></td>
<td>to endoscope 11573MB</td>
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<td>Micro Burr for Salivary Stones, diameter 0.38 mm, for use with Miniature</td>
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Please note: The compatibility of the stone extractors depends on the working channel diameter of the respective sialendoscopes.
Further instruments for dilation can be found in the ENT catalog.
MARCHAL Modular Sialendoscope for Diagnosis and Therapy

- Malleable sheaths
- Working channel with diameter 0.65 or 1.15 mm
Miniature Endoscopes

11576A  **Miniature Straight Forward Telescope 0°**, diameter 0.75 mm, working length 16 cm, semirigid, autoclavable, length 145 cm, with remote eyepiece and light connection, LUER-Lock adaptor, fiber optic light transmission incorporated, including Protective Tube 11576P

11576KA  **Examination Sheath**, diameter 1.1 mm, working length 16 cm, with blunt obturator, with lateral LUER-Lock adaptor for irrigation, for use with Miniature Straight Forward Telescope 11576A

11576KF  **Operating Sheath**, oval, diameter 1.1 and 1.3 mm, working length 16 cm, telescope channel diameter 0.9 mm, working channel diameter 1.15 mm, with 2 obturators, with lateral LUER-Lock adaptor for irrigation, for use with Miniature Straight Forward Telescope 11576A

11576KG  **Same**, diameter 1.1 mm and 0.8 mm, working channel diameter 0.65 mm

11577A  **Miniature Straight Forward Telescope 0°**, diameter 1 mm, working length 16 cm, semirigid, autoclavable, length 145 cm, with remote eyepiece and light connection, LUER-Lock adaptor, fiber optic light transmission incorporated, including Protective Tube 11576P

11577KA  **Examination Sheath**, diameter 1.3 mm, working length 16 cm, with blunt obturator, with lateral LUER-Lock adaptor for irrigation, for use with Miniature Straight Forward Telescope 11577A

11577KE  **Operating Sheath**, oval, diameter 1.3 mm and 1.3 mm, working length 16 cm, telescope channel 1.15 mm, working channel diameter 1.15 mm, with 2 obturators, with lateral LUER-Lock adaptor for irrigation, for use with Miniature Straight Forward Telescope 11577A

11577KD  **Same**, diameter 1.3 mm and 0.8 mm, working channel diameter 0.65 mm
# Dilation Instruments

**Salivary Duct Probes**

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Forceps for Sialendoscopy

11576TJ  **Foreign Body Forceps**, flexible, double action jaws, diameter 1 mm, working length 19 cm
11576ZJ  **Biopsy Forceps**, flexible, double action jaws, diameter 1 mm, working length 19 cm

Stone Extractors

11575K  **Stone Extractor**, diameter 0.6 mm, basket with 3 wires, sterile, for single use
11575L  **Stone Extractor**, diameter 0.6 mm, basket with 6 wires, sterile, for single use
11582M  **Stone Extractor**, diameter 0.4 mm, basket with 4 wires, sterile, for single use
11573NP **Stone Extractor**, front-loading without handle, diameter 0.4 mm, basket with 4 wires, length 35 cm, sterile, for single use, package of 10

Forceps and Scissors

745715  **Dressing Forceps**, angled, length 15 cm
745716  **Tissue Forceps**, angled, with 1 x 2 teeth, length 15 cm
745717  **Angled Scissors for Salivary Glands**, with bulb, length 14 cm
745719  **METZENBAUM Scissors**, for sialolithotomy, curved, sharp/sharp, length 18 cm

Reprocessing

39312A-SIA  **Sialendoscopy Instrument Set Tray**, DM: 21.55" x 10.18" x 4.37"

Cleaning Brushes

27651K2  **Cleaning Brush**, round, flexible, for irrigation channel diameter 0.6-0.8 mm, length 40 cm, for single use, package of 10
27651K3  **Cleaning Brush**, round, flexible, for irrigation channel diameter 0.8-1.4 mm, length 40 cm, for single use, package of 10
IMAGE1 S™ 4U – mORE than a camera

The IMAGE1 S™ 4U camera system allows the operating surgeon to make optimal use of the benefits offered by 4K technology. A notable feature is the image quality: High image brightness, impressive colors, greater richness of detail and a significantly improved depth effect characterize this system. Thanks to the system’s modularity, 4U components can be easily integrated into the existing IMAGE1 S™ camera platform. Consequently, the system is still compatible with existing technologies (e.g., rigid, flexible, fluorescence and 3D endoscopy) and can be adapted to meet individual customer needs.

- IMAGE1 S™ 4U impresses with outstanding, razor-sharp images
  - Excellent image brightness
  - First-rate color rendition
  - Greater richness of detail

- Three innovative visualization technologies for tissue differentiation:
  - CLARA: Homogeneous illumination
  - CHROMA: Contrast enhancement

- Easy integration into the IMAGE1 S™ camera platform
TC201US  **IMAGE1 S CONNECT® II**, connect module, for use with up to 3 link modules, resolution 3840 x 2160 and 1920 x 1080 pixels, with integrated KARL STORZ-SCB or KS HIVE and digital Image Processing Module, power supply 100-240 VAC, 50/60 Hz

TC304US  **IMAGE1 S™ 4U-LINK**, link module, for use with IMAGE1 S™ 4U camera heads, power supply 100-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC200 or IMAGE1 S CONNECT™ II TC 201

TH121  **IMAGE1 S™ 4U RUBINA**, OPAL1® NIR/ICG, two-chip 4K UHD camera head, S-Technologies available, for NIR/ICG fluorescence imaging in combination with POWER LED RUBINA, OPAL1® NIR/ICG, progressive scan, low-temperature sterilization, focal length f = 19 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S CONNECT® II and IMAGE1 S™ 4U-LINK

TH120  **IMAGE1 S™ 4U One-Chip 4K UHD Camera Head**, S-Technologies available, progressive scan, soakable, EO sterilization, H₂O₂ (hydrogen peroxide), focal length f = 18 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™ 4U-LINK

TM350  **32" 4K 3D Monitor**, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall mount with VESA 100 adaptor

TL400  **Cold Light Fountain POWER LED RUBINA**, for NIR/ICG fluorescence imaging and standard endoscopic diagnosis, with two LEDs and one KARL STORZ light cable connection, with integrated unit communication via KS HIVE, power supply 100-125/220-240 VAC, 50/60 Hz

TL300  **Cold Light Fountain POWER LED 300 SCB**, with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet, power supply 100-240 VAC, 50/60 Hz

495NAC  **Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, with safety lock, enhanced light transmission, can be used for ICG applications, diameter 3.5 mm, length 230 cm

495NCSC  **Same**, diameter 4.8 mm, length 250 cm

495TIP  **Same**, diameter 4.8 mm, length 300 cm

* Also available in the following languages: DE, ES, FR, IT, PT, RU
TELE PACK+
Compact endoscopy

TELE PACK+ is an ALL-IN-ONE system that combines a monitor, LED light source, FULL HD camera control unit and documentation with integrated network function in a portable and compact unit. The TELE PACK+ is suitable for universal use in doctors’ offices, clinics, emergency rooms, intensive care units and outpatient settings.

- Image display in FULL HD quality
- 18.5” touch screen monitor with on-screen keyboard
- Integrated LED light source with stroboscopy function and automatic light source control
- Documentation with storage possibilities on USB memory devices and freely available internal memory of 50 GB
- Network functionality in combination with the software tool StreamConnect®, for U.S. market, for the export and import of patient data in/out of HIS/PACS
TELE PACK+

TP101  TELE PACK+, endoscopic video unit with 2 camera inputs (X-LINE and C-LINE) for use with one-chip camera heads (up to FULL HD), incl. LED light source, digital Image Processing Module with USB and network storage options as well as 18.5” FULL HD touch screen monitor, power supply 100-240 VAC, 50/60 Hz
including:
Mains Cord, length 300 cm

Camera Heads

TH110  IMAGE1 S™ HX One-Chip FULL HD Camera Head, 50/60 Hz, fixed focus, progressive scan, soakable, gas- and plasma-sterilizable, focal length f = 16 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™

Fiber Optic Light Cable

495ND  Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 300 cm

It is recommended to check the suitability of the product for the intended procedure prior to use.
Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.