



December 14, 2018

Micro-Tech (Nanjing) Co., Ltd.
Becky Li
Quality and Regulatory Affairs Director
NO. 10 Gaoke Third Road
Nanjing, Jiangsu 210032
China

Re: K182556
Trade/Device Name: SureClip Repositionable Hemostasis Clip
Regulation Number: 21 CFR§ 876.4400
Regulation Name: Hemorrhoidal Ligator
Regulatory Class: II
Product Code: PKL
Dated: September 13, 2018
Received: September 17, 2018

Dear Becky Li:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. Although this letter refers to your product as a device, please be aware that some cleared products may instead be combination products. The 510(k) Premarket Notification Database located at <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm> identifies combination product submissions. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies.

You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803) for devices or postmarketing safety reporting (21 CFR 4, Subpart B) for combination products (see <https://www.fda.gov/CombinationProducts/GuidanceRegulatoryInformation/ucm597488.htm>); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820) for devices or current good manufacturing practices (21 CFR 4, Subpart A) for combination products; and, if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm>.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (<https://www.fda.gov/MedicalDevices/DeviceRegulationandGuidance/>) and CDRH Learn (<http://www.fda.gov/Training/CDRHLearn>). Additionally, you may contact the Division of Industry and Consumer Education (DICE) to ask a question about a specific regulatory topic. See the DICE website (<http://www.fda.gov/DICE>) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,


Daniel G. Walter Jr -S

for
Benjamin R. Fisher, Ph.D.
Director
Division of Reproductive, Gastro-Renal,
and Urological Devices
Office of Device Evaluation
Center for Devices and Radiological Health

Enclosure

Indications for Use

510(k) Number (if known)

K182556

Device Name

SureClip Repositionable Hemostasis Clip

Indications for Use (Describe)

The SureClip Repositionable Hemostasis Clip is indicated for Endoscopic clip placement within the Gastrointestinal tract in adult patients only via a straight or side viewing flexible endoscope for the purpose of :

- (1) Endoscopic marking;
- (2) Hemostasis for
 - (a) Mucosal / sub-mucosal defects < 3cm,
 - (b) Bleeding ulcers,
 - (c) Polyps < 1.5cm in diameter,
 - (d) Diverticula in the colon,
 - (e) Arteries < 2 mm
 - (f) Prophylactic clipping to reduce the risk of delayed bleeding post lesion resection;
- (3) As a supplementary method, closure of GI tract luminal perforations <20mm that can be treated conservatively.

Type of Use (Select one or both, as applicable)

☒ Prescription Use (Part 21 CFR 801 Subpart D)

☐ Over-The-Counter Use (21 CFR 801 Subpart C)

CONTINUE ON A SEPARATE PAGE IF NEEDED.

This section applies only to requirements of the Paperwork Reduction Act of 1995.

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510K Summary

This 510(k) Summary of 510(k) safety and effectiveness information is being submitted in accordance with requirements of SMDA 1990 and Title 21, CFR Section 807.92.

The assigned 510(k) Number: K182556

1. Date of Preparation: 2018-12-05

2. Sponsor Identification

Micro-Tech (Nanjing) Co., Ltd.

No.10 Gaoke Third Road, Nanjing National Hi-Tech, Industrial Development Zone,
Nanjing, Jiangsu Province, PRC

Establishment Registration Number: 3004837686

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3. Identification of Proposed Device

Trade Name: SureClip™ Repositionable Hemostasis Clip

Common Name: Hemostasis Clipping Device

Regulatory Information

Classification Name: Hemorrhoidal Ligator

Classification: II

Product Code: PKL

Regulation Number: 876.4400

Review Panel: Gastroenterology/Urology

4. Identification of Predicate Device

Predicate Device

510(k) Number: K151802

Product Name: Resolution 360™ Clip

Manufacturer: Boston Scientific Corporation

Reference Device

510(k) Number: K152001

Product Name: Sterile Repositionable Hemostasis Clipping Device

Manufacturer: Micro-Tech (Nanjing) Co., Ltd.

5. Indications for Use

The SureClip™ Repositionable Hemostasis Clip is indicated for Endoscopic clip placement within the Gastrointestinal tract in adult patients only via a straight or side viewing flexible endoscope for the purpose of :

- (1) Endoscopic marking;
- (2) Hemostasis for
 - (a) Mucosal / sub-mucosal defects < 3cm,
 - (b) Bleeding ulcers,
 - (c) Polyps < 1.5cm in diameter,
 - (d) Diverticula in the colon,
 - (e) Arteries < 2 mm,
 - (f) Prophylactic clipping to reduce the risk of delayed bleeding post lesion resection;
- (3) As a supplementary method, closure of GI tract luminal perforations <20mm that can be treated conservatively.

6. Device Description

The proposed device **SureClip™ Repositionable Hemostasis Clip** is a sterile,



single-use endoscopic clipping device in adult patients only via a straight or side viewing flexible endoscope, intended to be used for endoscopic marking, hemostasis for mucosal/submucosal defects in digestive tract.

It consists of two main components, delivery system and clip assembly. And it is offered in different dimensions.

7. Comparison of Technological Characteristics

The **SureClip™ Repositionable Hemostasis Clip** incorporates substantially equivalent device materials, design, configuration, packaging fundamental technology, manufacturing processes, sterilization process and intended use as those featured in the predicate device Resolution 360™ Clip.

Comparison to predicate Devices:

Item	Proposed Device SureClip™ Repositionable Hemostasis Clip	Predicate Device Resolution 360™ Clip	Substantial Equivalence
Product Code	PKL	PKL	Same
Regulation No.	876.4400	876.4400	Same
Class	II	II	Same
Supplied in Sterile	Yes	Yes	Same
Configuration	Delivery system and clip assembly	Delivery system and clip assembly	Same
Open width	8mm, 11mm and 16mm	11mm	Similar
Minimal working channel	2.8mm	2.8mm	Same
Working Length	1650mm, 2350mm	2350mm	Similar
Indications for Use	The SureClip™ Repositionable Hemostasis Clip is indicated for Endoscopic clip placement within the Gastrointestinal tract in adult patients only via a straight or side viewing flexible	The Resolution 360™ Clip is indicated for clip placement within the gastrointestinal (GI) tract for the purpose of: 1. Endoscopic marking 2. Hemostasis for ● Mucosal/sub-mucosal defects < 3	Similar



Item	Proposed Device SureClip™ Repositionable Hemostasis Clip	Predicate Device Resolution 360™ Clip	Substantial Equivalence
	endoscope for the purpose of : (1) Endoscopic marking; (2) Hemostasis for (a) mucosal / sub-mucosal defects < 3cm, (b) bleeding ulcers, (c) polyps < 1.5cm in diameter, (d) diverticula in the colon, (e) Arteries < 2 mm, (f) Prophylactic clipping to reduce the risk of delayed bleeding post lesion resection; (3) As a supplementary method, closure of GI tract luminal perforations <20mm that can be treated conservatively.	cm ● Bleeding ulcers ● Arteries < 2 mm` ● Polyps < 1.5 cm in diameter ● Diverticula in the colon ● Prophylactic clipping to reduce the risk of delayed bleeding post lesion resection 3. Anchoring to affix jejunal feeding tubes to the wall of the small bowel; and Anchoring to affix fully covered esophageal self-expanding metal stents to the wall of the esophagus 4. As a supplemental closure method of luminal perforations < 20 mm that can be treated conservatively	
Single Use	Yes	Yes	Same
Packaging	Single-use EO sterilized pouch with one device per pouch	Single-use EO sterilized pouch with one device per pouch	Same
Shelf Life	Three years	Three years	Same

8. Performance Data

The proposed device the **SureClip™ Repositionable Hemostasis Clip** meets the requirements of ISO 10993-1 “Biological Evaluation of Medical Devices – Part 1: Evaluation and Testing Within A Risk Management Process”, ISO 11135 “Sterilization of Health Care products - Ethylene Oxide - Part 1: Requirements for Development, Validation, and Routine Control of Sterilization processes for Medical Devices”, and ISO 10993-7 “Biological evaluation of medical devices - Part 7: ethylene oxide sterilization residuals”,

The following bench tests were performed on the **SureClip™ Repositionable Hemostasis Clip**



- Dimension;
- Release Force;
- Clamping Strength;
- Mechanical integrity Of Clip Assembly;
- Tensile Strength;
- Clip Assembly Repeated Open/Close;
- Clip Open And Close Force
- Rotation;
- Scope Compatibility/Usability;
- Endoscope Damage;
- Torque;
- Biopsy Valve Compatibility;
- Clip Approach;
- Coil to Handle Tensile

The testing performed demonstrated that the proposed device and predicate device are equivalent.

9. Clinical Test Conclusion

No clinical study is included in this submission.

10. Substantially Equivalent (SE) Conclusion

Based on the indications for use, technological characteristics, and safety and performance testing, the **SureClip™ Repositionable Hemostasis Clip** has been shown to be appropriate for its intended use and is considered to be substantially equivalent to the currently cleared predicate device **Resolution 360™ Clip (K151802)**.