

HABIB® 4X RESECTION DEVICES

Product Name	Part #
Habib 4X Kit	4401
Habib 4X Laparoscopic	700-103659
1500X RF Generator Adapter Cable	700-103285
Software Module (Version 8.12 or higher)	700-103885

Habib 4X Adapter Cable



Habib4X適配器電纜，特別設計於搭配 AngioDynamics 1500X 射頻燒灼主機，另外，在操作 Habib 4X 開腔式手術型需要此項件；Habib 4X 開腔式手術型包裝套組，已包含此項已滅菌配件。

1500X RF Generator



AngioDynamics的電燒灼手術。此為最新型射頻燒灼手術系統，且包含最先進的軟體更新系統、高達250W的能量，以及三種彈性搭配的醫療器材。

IMPORTANT RISK INFORMATION

INDICATION FOR USE: The Habib® 4X device is used to transmit bipolar radiofrequency energy (provided by the 1500X RF Generator) and to assist in intraoperative coagulation of tissue during surgical procedures. The Habib® 4X Laparoscopic device is used to transmit bipolar radiofrequency energy (provided by the 1500X RF Generator) and to develop a plane of coagulation necrosis along the intended line of transection. The tissue can subsequently be divided with a conventional scalpel through this zone of necrosis. CAUTION: Federal (USA) law restricts the sale of these devices by or on the order of a physician.

CONTRAINDICATIONS: Do not use on patients with cardiac pacemakers or other active implants.

WARNINGS AND PRECAUTIONS: For single use only. Do not bend/kink the needle arrays or attach anything (i.e., clamps, etc.) to the device; inadvertent patient injury may result. Do not use needle-monitoring or dispersive electrodes. This device may interfere with the operation of other electronic equipment. Improper placement or handling of bipolar electrodes while RF is on may lead to burns. Please see package insert for complete list of warnings and precautions and observe all instructions prior to use.

POTENTIAL COMPLICATIONS: Possible complications include problems related to general anesthetics, bleeding, liver abscess, bile leak, liver failure, subphrenic abscess, postoperative heart failure, chest infection, wound dehiscence, wound infection or incisional hernia.

Indications, contraindications, warnings and instructions for use can be found in the instructions for use supplied with each device. Observe all instructions prior to use. Failure to do so may result in patient complications.

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AngioDynamics is a registered trademark of AngioDynamics, Inc.
Habib is a registered trademark of Emcision, Ltd.



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Chi Fu Trading Co., Ltd.

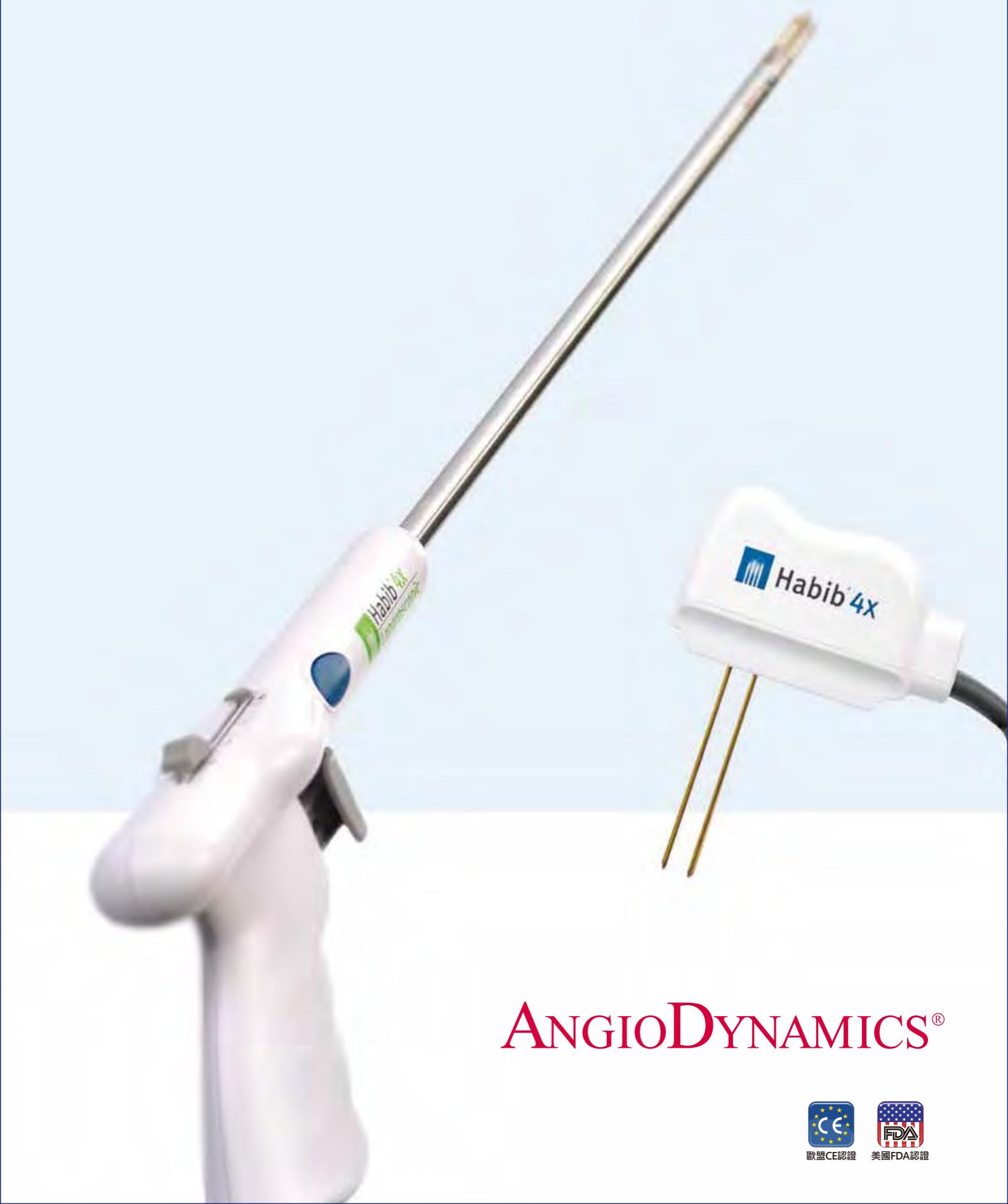
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#MDB20140320



Habib® 4X
RFA (Radiofrequency ablation)

雙極射頻刀



ANGIODYNAMICS®



歐盟CE認證



美國FDA認證

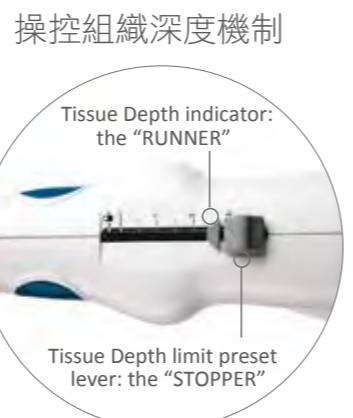
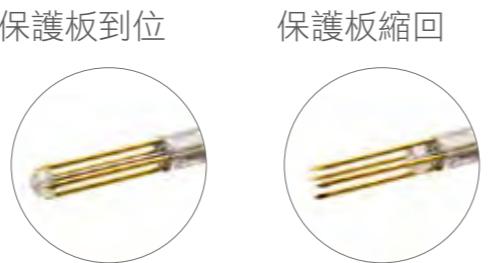
The Ultimate in Speed and Simlicity

Habib 4X BIPOLE RESECTION DEVICES

腹腔鏡型Habib 4X產品



電極針&保護板:
長度為3cm，藉由push-off及
深度控制機制防止組織碳化



開腔型Habib 4X產品



電極針針長10cm，
主要用於實質組織
切除及組織凝固



電極針針長6cm，
可靈巧地運用在較
小部位快速切除及
簡單的凝固作用

最快速、最簡易操作的手術切割產品

Habib 4X能與RITA 1500主機連接，能安全、快速的進行手術，可以在外科（開放/腹腔鏡）手術時，用於切除病變器官（肝臟、腎臟）過程中的止血，以增加手術的安全性、減少出血、降低手術併發症與減少住院（ICU）時間，是新一代結合組織切割和止血兩大功能的射頻燒灼設備。

快速凝固、切割與切除

肝臟手術應用

腹腔鏡型和開腔型Habib 4X產品具備預先凝結肝臟實質組織(含硬化組織)的能力，可減少手術中出血及減少住院（ICU）時間。



The mean blood loss during parenchymal transaction was 75ml, which is lower than in most major published series.²

腎臟手術應用

AUA guidelines建議當病人T1腫瘤小於4 cm時可做腎臟部分切除，Habib 4X腹腔型及開鏡型產品為優秀的手術工具，可協助泌尿科醫生做腎臟部分切除手術。



No patient has required a blood transfusion, clamping of the hilum, or conversion to nephrectomy or open surgery for bleeding.⁴

產品特色

- 平均平均8秒的時間內完成1cm × 4cm範圍的凝結
- 凝固及封閉7mm的血管徑⁶
- 減少失血及降低手術相關風險^{1,2,4}
- 手術中不需使用止血鉗^{1,2,4}
- 減少進入ICU重症監控室時間和整體⁵

1. Pai, M., et al. Laparoscopic Habib 4X: A Bipolar Radiofrequency Device for Bloodless Laparoscopic Liver Resection. HPB (Oxford) 2008; 10: 261-264.

2. Ayav A, Jiao L, Dickinson R, et al. Liver Resection with a New Multiprobe Bipolar Radiofrequency Device. Arch Surgery 2008; 143: 396-401.

3. Campbell, Steven C., et al. Guideline for Management of the Clinical T1 Renal Mass. American Urological Association of Education and Research; 2009.

4. Nadler, Robert B., Kent. Hybrid Laparoscopic and Robotic Ultrasound-guided Radiofrequency Ablation-assisted Clampless Partial Nephrectomy. Urology 2009; 74(1): 202-205.

5. Pai, M., et al. Liver Resection with Bipolar Radiofrequency Device: Habib 4X. HPB (Oxford) 2008; 10: 256-260.

6. Ahmet Ayav et al. Liver Resection With a New Multiprobe Bipolar Radiofrequency Device. Arch Surg. 2008; 143(4): 396-401.