



BIOMEDICAL
TECHNOLOGY



Aurora 電磁追蹤系統為精密手術導航 Aurora Electromagnetic Tracking System: Navigation Tool for High-Precision Surgical Operations

Aurora 電磁追蹤系統利用電磁場追蹤專用的微型電磁感應線圈，提供5D和6D的空間座標，成功應用於各種手術器械的定位和追蹤，最小感應線圈直徑只有0.3毫米，可以集成到心導管和活檢針內，與各種三維醫學圖像結合，為這些器械在體內提供座標，實現手術的準確、微創和安全性。該系統同時提供各種磁場產生器以滿足多種臨床環境的使用。

Aurora Electromagnetic Tracking System detects the position of a miniature sensor coil within an electromagnetic field, providing precise 5D and 6D coordinates. It has been widely used in positioning and tracking various surgical tools. The smallest sensor coil of 0.3-mm diameter can be embedded into medical instruments such as catheters or biopsy needles. When used in conjunction with 3D medical images, it positions instruments precisely in relation to the patient's tissues, ensuring accuracy, safety and minimal invasion. The system also comes with different magnetic field generators to cater to different clinical needs.



* NDI 於1981年在加拿大成立，亞太分部於2008年進駐香港科學園。如欲瀏覽更多資料，請掃描QR碼。

* NDI was founded in 1981 in Canada. It opened its Asia-pacific branch office at Hong Kong Science Park in 2008. More information is available by scanning the QR code.