



CLIP ON TORQUE DEVICE FOR ENDOVASCULAR PROCEDURES

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Overview

Many minimally invasive medical procedures use guidewires for catheter insertion. This often requires time-critical navigation of tortuous vasculature, demanding intricate manipulation of a guidewire. Torque devices are the ubiquitous method for providing fine-precision control of the guidewire. Torque devices help physicians advance, rotate, and grip the guidewire that is used to guide catheters to the desired location within the vascular system.

The Invention

UW-Madison researchers have designed a guide-wire torque device that enables the surgeon to easily place the torque device along any location on the guidewire and rotate the wire with one hand. The device clips onto the wire anywhere along its length, rather than threading on at the end. This eliminates the need for pass-through maneuvers and saves critical operation time. The new design allows for single hand loading and use.

Additional Information

For More Information About the Inventors

- [Dai Yamanouchi](#)

Tech Fields

- [Medical Devices : Medical tools](#)

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