

Microcatheter with Auxiliary Parachute Guide Structure

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Technology description

Summary

A microcatheter with a deployable parachute attached to its distal tip: The parachute in its retracted position lies flush against the exterior wall of the distal segment of the catheter. Control strings, cables or wires traverse the length of the microcatheter through channels within its wall and exit through strategically placed apertures at the tip of the microcatheter to attach to the parachute. When the parachute is deployed, the microcatheter is guided by blood flow or jets of liquid that are injected through the microcatheter. When the parachute is retracted, the microcatheter may be used with a guidewire to superselect vasculature. The microcatheter device has multiple uses permitting diagnostic and therapeutic superselective angiography

Institution

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