



Automated **arterial access site management**



Automatic Closure device Simpliactive bots and platform

SimpliCardiac has developed a prototype of the first-in-class solution.

Puncture closure bot is used directly after transradial cardiac catheterization. The technology, including repeated bleeding detection and automated pressure control, maximizes optimal access site management with minimal personnel engagement.

Patented under patent family WO2015193847 plus subsequent patents pending.

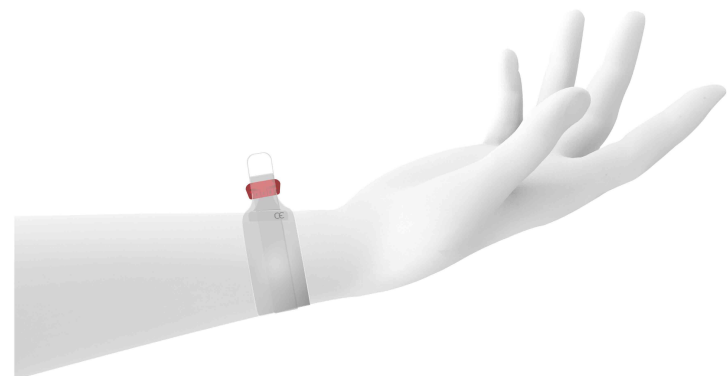
Manual Closure device Simpliradial®

Worldwide unique Radial Artery Compression Device.

Globally novel, intuitive, out-of-the-box solution.

Patented under patent families WO2013060883, WO2020169573.

CE pending



SIMPLICARDIAC simpli**active bots** & platform IDEA

TODAY'S PASSIVE RADIAL BANDS



- Direct supervision
- More personnel needed
- Compromized patient care

Simpli**active** bots & platform



- Remote supervision
- Less personnel needed
- Optimized patient care

Simpli**active bots** & platform

Benefits of automated **radial** access site management



Immediate solution to important and growing unmet business need – significantly reduces workload of cathlab personnel

Viable potential to reduce wound closure related postoperative complications (eg. radial artery occlusions)

Viable potential to reduce time to hemostasis (building on SDD best practice)

Once established easily scalable and modular – susceptible to further vertical and horizontal (eg. femoral wound closure) expansion

Provides robust modality to gather large amounts of real-world cathlab data – paramount to building further Web 3.0 applications, including AI optimisation of postoperative care

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