



Next-generation navigation for surgeons

AQrion Medical

Contact

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Company

Geneva, Switzerland
Three Co-Founders + Advisers
Pre-investment

Funding Goal

We are looking to raise 1-1.25 million CHF by end of Q2 2019.



As of Q2 2019

AQrion Medical develops advanced navigation systems for spinal surgeons who cannot afford the medical robotics solutions that are currently on the market. Our technology significantly reduces medical errors and improves surgical outcomes, whilst decreasing patients' and surgeons' radiation exposure during the procedure. The NaviSpine is cheaper for hospitals to deploy and does not require the surgeons to adjust their existing surgical process. Furthermore, AQrion is using artificial intelligence to automate the pre-operative planning process. The company will enable surgeons to access all of these functions via touch screens or augmented reality headsets. The technology is also being adapted to the orthopedic surgery and neurosurgery markets.

PROBLEM

- 3 in 10 spine surgeries have some form of perioperative complications
- Screws are misplaced in patients during 1 in 5 spine surgeries
- Complications incl. chronic back pain, paralysis etc. in 14% of all cases
- Existing solutions are expensive for hospitals to acquire and often requires significant retraining from surgeon

SOLUTION

- Increased precision reduces complication rates significantly
- AI-based pre-op planning saves surgeons time during planning phase
- Significantly reduces patients' and surgeons' radiation exposure
- More cost effective for hospitals to deploy

PRODUCT / SERVICE

We offer AI/ML based preoperative planning tools for surgeons and a navigation system for spine surgeons conducting spine fusion surgeries. The technology will also be adopted for additional use cases in orthopaedic and neurosurgery.

MILESTONES

- Project Launched (Mar. 2017)
- Began tech licensing from Uni. Basel (Sep. 2017)
- Secured IP License (Dec. 2017)
- Expanded partners/advisory board (Q1/Q2 2018)
- Selected for MassChallenge / Innopeaks (Jun 2018)

TEAM



Nouridine Bouzekri
(Co-Founder / CEO)



Joseph Laraichi
(Co-Founder / CTO)



Barna L. Posta
(Co-Founder / COO)

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