

## Die zehn Medizintechnik-Start-ups des 7. Medtech Pitchday am 2. März 2021

**AKmira optronics** develops optical 3D mini endoscopes for the medical technology market. The underlying technology, digital, optical holography, is still completely new in the non-university environment and offers a number of proven advantages over 3D stereo vision. After the development, sales will be ramped up step by step with specialized endoscopy partners for various areas of application. Future upside potential exists along with progressing miniaturization.

**ANAMOS** is the innovative provider of individually configurable anatomical models for the simulation of surgical procedures, that are produced in 3D printing using elastic materials. The flexibly configurable design as well as realistic functionality and haptics of the ANAMOS models open up new possibilities in medical education and training of surgical skills, in medical and technological research and in preclinical functional product tests. Users like doctors, clinics or researchers can freely select any anatomies and pathologies and thereby complement their simulation and training portfolios, benefiting from the on demand availability of these anatomical models, sparing time and increasing efficiency.

**Clouz** is solving the challenge of suturing in restrictive access surgery with a novel surgical knotting technology. The Clouz OneKnot device provides quick, easy and reliable closure with a pre-tied, sliding locking knot. Designed, developed and manufactured by experienced surgeons and medical technology specialists.

**DIRC** is a medical assistant to improve the workflow in healthcare. By visualizing relevant treatment steps, empowering collaboration and automizing recurrent tasks we want to reduce the workload in medicine. Thereby, doctors can once again focus on their most important task, their patients.

1.35 m babies are born with a congenital heart defect each year. Of these, 400,000 have heart valve defects, but there is no durable valve replacement on the market! We are fulfilling that unmet clinical need with a completely new prosthetic valve for adults and children, implanted using a low-risk transcatheter technique. **GrOwnValve** is made from patient-donated (endogenous) tissue, giving it lifelong durability: a once-in-a-lifetime solution that is affordable for patients and healthcare providers worldwide.

**hemotune** is a Swiss MedTech company developing precision medicine multi target blood purification based on nanoengineered magnetic beads. The first treatment under development is designed to restore adequate immune function in sepsis induced immunosuppression. Sepsis is a misguided immune response to infection affecting around 50 million people every year and being one of the main drivers of rising healthcare costs globally.

**mobOx** is the mobile blood analysis lab for emergency medical services. It enables the rapid, accurate and reliable diagnosis of alterations in the red blood pigment hemoglobin with the accuracy of stationary clinical devices.

Our vision is to empower 2 billion people with eczema and other chronic skin conditions to live a healthier and happier life. We do this by cutting the time from diagnosis to a happy skin from many years/decades to just a couple weeks by using Artificial Intelligence (AI) — and are strongly motivated by our very own year-long experience with eczema. The **NALA** app digitizes the current Standard of Care (SoC) in eczema therapy, adds a science-based “beyond the pill” approach and powers it with data and AI.

**SURAG** “listens” to interventional instruments during minimally invasive surgery. We turn standard instruments intelligent and empower surgeons with a new perception – for the good of the patient!

**XUND** is an AI-powered health assistant that helps users to understand their symptoms, receive evidence-based feedback on potential causes and then connects to the right points-of-treatment.