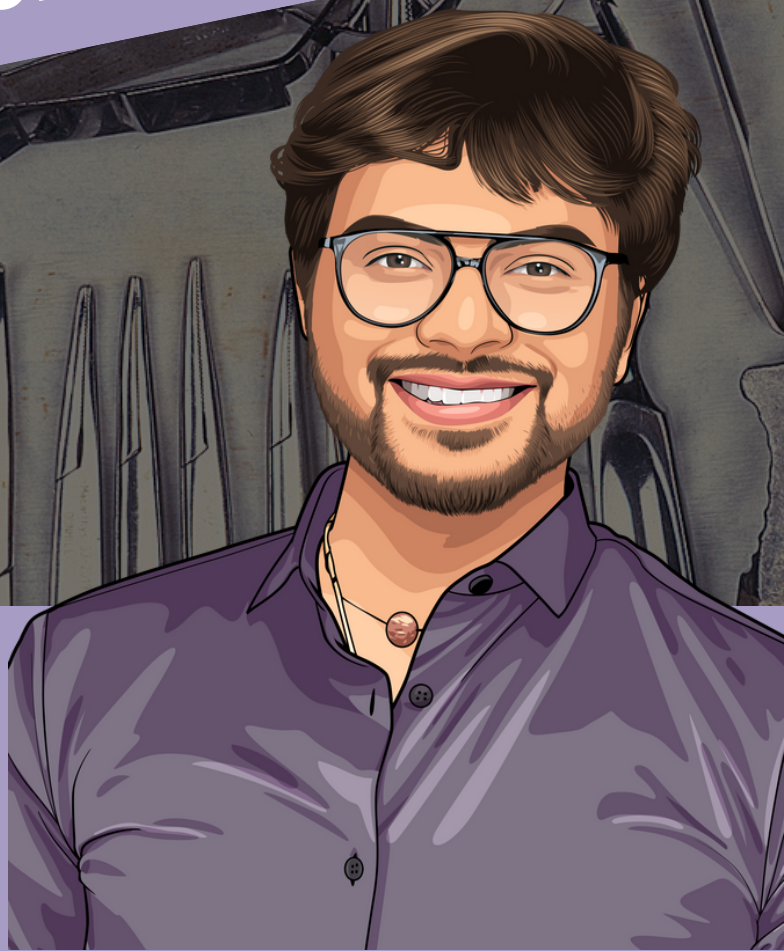


PLACING AI AT THE CORE OF YOUR STERILE PROCESSING OPERATIONS

ARTIFICIAL INTELLIGENCE EXPERT

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Yeshwanth Pulijala, PhD
Founding Director & CEO | Scalpel Ltd

Beyond Clean Artificial Intelligence Expert™:

Placing AI at the Core of Your Sterile Processing Operations

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Are you ready to take the leap into the exciting world of AI adoption in your Sterile Processing Department? Imagine transforming your traditional Sterile Processing into an AI-powered organization, where smart technology and data analytics work together to enhance your workflow and optimize productivity.

However, it is important to note that this transformation will take time and effort. Adopting AI requires a holistic approach, with several key principles to consider before implementation:

1. Clear goals and outcomes must be established to ensure key stakeholders are all on the same page and working towards the same objectives. This will lead to better adoption and success in the long run.
2. Standardizing data is also crucial. We all know the struggles of inconsistent data, such as the diverse naming conventions of instruments. However, in order to adopt AI on a wider scale, high-quality standard data is necessary. This may mean revisiting how data has been structured since the beginning of time, but once standardized, it will ensure smooth flow of operations at your site.
3. A unifying strategy supported by key stakeholders in your health system is also essential. Strong alignment on taking the time and putting in the effort in adopting AI in your facilities from all key decision makers will ensure a smooth transition and success in the long run.
4. New team capabilities will emerge as AI gets adopted in your day to day. Data scientists and AI Project Managers will join your team of Sterile Processing Technicians, bringing in new skills and expertise to optimize your processes.

With these principles in mind, you'll be well on your way to a smarter, more efficient, and optimized workflow at your Sterile Processing unit.

Have more questions for this expert? Contact Yesh at: yesh@scalpel.ai

Beyond Clean Artificial Intelligence Expert™ Biography:

Yeshwanth Pulijala, PhD

Founding Director & CEO

Scalpel Ltd



Dr. Yeshwanth Pulijala (Yesh) is the founder and CEO of Scalpel. In this role he leads a highly motivated team building AI tools to enhance patient safety across the peri-operative pathway. Scalpel provides a clinically validated surgical intelligence platform that uses computer vision to provide real-time insights into clinical workflows - starting with managing surgical instruments. Trained as a dentist, Yesh has over nine years of interdisciplinary experience in healthcare and technology (Virtual Reality, Augmented Reality, and Computer Vision). In his doctoral research, he has designed and evaluated one of the first immersive virtual reality training tools for Oral and Maxillofacial Surgery.

Pulijala has spent thousands of hours in operating rooms where he has first-hand experienced several surgeries going wrong - of which, to his surprise, nearly 50% were preventable. That significantly impacted him - sparking his mission to improve current surgical processes and prioritize patient safety. In 2017, he founded Scalpel to make surgery safer.

In the last few years, Scalpel has been on an incredible journey to engage healthcare institutions globally to align with their mission to improve patient safety in surgery. They have partnered with some of the most innovative healthcare providers and manufacturers. Today, Scalpel is shaping the future of surgery by connecting surgical data science with clinical performance, not only inside the operating rooms but across the perioperative pathway.

Stay tuned to his Expert Series so you can learn more about how to use AI in your Sterile Processing unit and streamline your operations to make surgery safer.

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