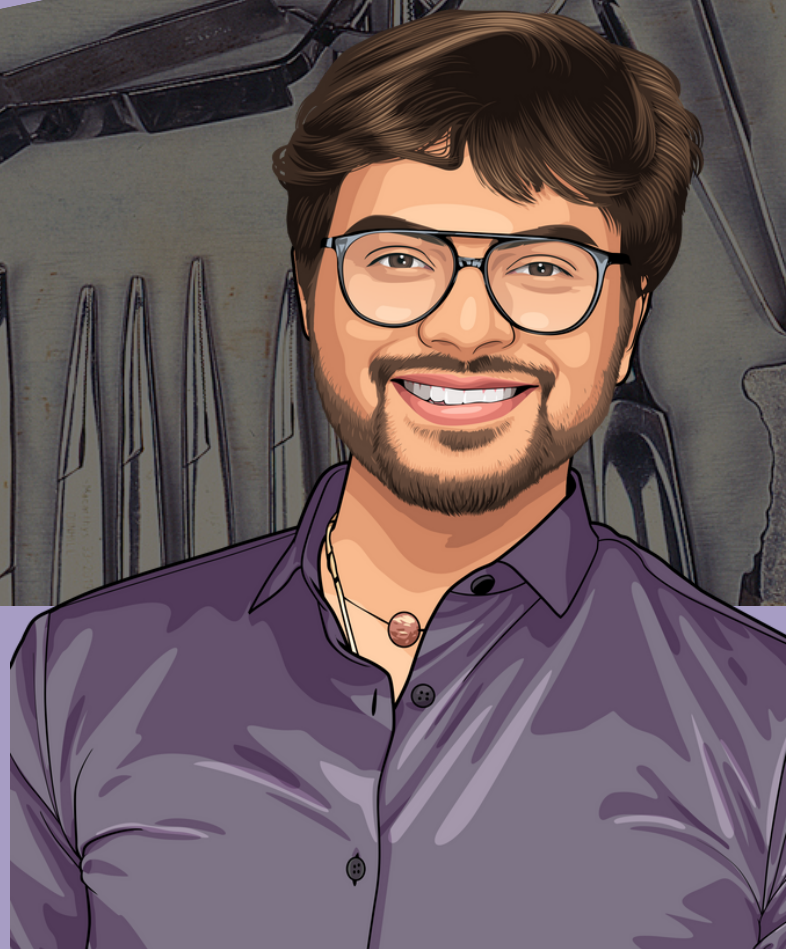


# WHAT TO EXPECT WITH YOUR NEW AI APPLICATION IN STERILE PROCESSING

ARTIFICIAL INTELLIGENCE EXPERT

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Yeshwanth Pulijala, PhD  
Founding Director & CEO | Scalpel Ltd

*Beyond Clean Artificial Intelligence Expert™:*

## What to Expect with Your New AI Application in Sterile Processing

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Are you ready to revolutionize your Sterile Processing Unit with AI? The possibilities are endless, but with great power comes great responsibility. As you embark on this journey, it is crucial to recognize the potential limitations and risks that come with it.

First and foremost, just as your technicians require time and practice to perfect their skills, AI also has a learning curve. Patience is key as you work with AI and a certain amount of trial and error should be expected in the initial days. Do not expect that the technology will work flawlessly right out of the box. It's important to have human oversight to ensure that the AI is performing as expected and making the right decisions in the beginning.

Other factors to consider include data biases and integration with legacy systems. Data biases can lead to biased outcomes, so ensuring that the data used to train AI models is accurate, relevant, and diverse is essential. Similarly, integrating AI with legacy systems is also important for a seamless transformation. As hospital systems continue to adopt new technology and addressing challenges of interoperability, it's even more important that your existing software solutions and suppliers must be open to a seamless integration.

With AI technology reaching human-level performance in various industries, it's only a matter of time before it significantly impacts sterilization services. It's essential to understand the best way to adopt and utilize these technologies today to prepare for the future.

Embracing cutting-edge technology is exciting, but it's vital to keep the potential risks and limitations in mind. By doing so, you can ensure successful adoption and reap the benefits of AI in your sterile service.

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