



Automated Inventory Management

A Single Center study using Integrated Surgical Care Coordination to improve case visibility, planning, and reduce costs

CASE STUDY

“With DocSpera, we experienced 62% sterilization cost reduction driven by advanced case data visibility and tray reduction required for surgery.”

– Dr. Shane Seroyer

SITUATION

A large global medical device manufacturer was searching for a scalable technology solution to effectively manage its excess inventory and wanted

to reduce costs associated with consignment tray inventory and last-minute shipping of its medical instruments. In addition, the global medical

device manufacturer was looking for ways to help hospitals and Ambulatory Surgery Centers reduce sterilization costs and inventory storage costs.

ACTION

The global medical device manufacturer worked with Dr. Shane Seroyer¹, Orthopedic Surgeon and Medical Director at the Arlington Medical Center in Arlington, Texas, on this study. The DocSpera HIPAA compliant surgical case coordination platform was chosen to replace their existing system. This new system would allow for highly flexible and integrated surgical scheduling, pre-operative case planning, and image sharing among all the stakeholders across the practice, the OR

team, and the medical device manufacturer's team well ahead of the surgery. The system would measure the reduction in pre-operative planning time, instrument sterilization time and cost, and case cycle time both preoperatively and postoperatively. DocSpera's integrated intelligence along with instrument configuration improvements was deployed across the workflow to provide advanced surgical visibility by integrating the information into its ERP system.

"The extremely userfriendly mobile app offers remarkable flexibility and provides seamless communication between the surgical team and industry reps, ensuring no preoperative planning or scheduling detail goes unrecognized."

RESULTS

DocSpera's Care Coordination Platform enabled advanced visibility and planning and subsequent optimized configuration of instruments needed for specific cases. The lead time for case visibility increased from 3-4 days to an average of 28 days, an eightfold

increase. The number of trays brought to each surgical case was lowered from 13 to an average of 3. This led to a **76% reduction in trays sterilized per case**, significant cost savings to the institution, and decreased pre & post cycle time by 71%. Finally, this resulted in a 50%

reduction in required tabletop space, which not only reduced the need for storage space, but also reduced personnel traffic in and out of the OR, which could, in turn, reduce the possibility of infections.

OUTCOME

Improved advanced visibility to surgical scheduling and patient data allowed the manufacturer to introduce predictability,

significantly reduce its inventory and costs, and improve provider satisfaction.

"The DocSpera scheduling platform has been a tremendous asset to my surgical practice."

¹ All quotes and data on file courtesy of Dr. Shane Seroyer, Orthopedic Surgeon and Medical Director at Arlington Medical Center



About DocSpera

DocSpera is a fast-growing premier healthcare technology company disrupting patients' care coordination and navigation in surgical episodes. The company provides cloud software solutions and data insights for Providers and Medical Device Manufacturers.

HEADQUARTERS

298 S Sunnyvale Ave, Suite 201
Sunnyvale, CA 94086
(408) 610-2600

For more information, please visit our website at docspera.com or contact us at hello@docspera.com