



GE HealthCare

Effortless cardiac workflow: Fast answers and peace of mind for patients

When it comes to heart health, knowledge is power. Access to fast and accurate cardiac imaging can mean the difference between uncertainty and peace of mind. Yet the patient experience is more than just tests and technology. It's about addressing people's fears and giving them the insight they need to take control of their health.

For Thomas Pfau, this knowledge was more than just data—it was a lifeline. Pfau always knew he was at high risk for cardiovascular disease (CVD). His father died of sudden cardiac arrest at age 54 and his mother suffered several heart attacks before dying of CVD in her 80s. Pfau was already being treated for high blood pressure and elevated cholesterol but as he approached his 50th birthday, the father of three wanted to know more about his cardiac health.

CVD is the leading cause of death worldwide and often requires an invasive cardiac catheterization procedure to accurately diagnose it.¹ Like many patients, Pfau was looking for a non-invasive, cost-effective way to image his heart. He'd heard numerous radiologists praise the Revolution™ Vibe from GE HealthCare for its outstanding capabilities in cardiology. Pfau knew it was the key to helping him better understand his heart health.

"I didn't want to end up like my father and leave my family alone. I wanted to know about my veins and arteries, and whether or not I had any plaque. I wanted to know the status of my heart," Pfau said.





Fast scans and answers

The Revolution Vibe is a premium CT system engineered to deliver the best image for every patient. It's driven by Effortless Cardiac Workflow, which leverages AI to automatically select protocols, position the patient and optimize scanning time. With a wing-to-wing holistic approach, Effortless Cardiac Workflow automates nearly every step from pre-scan to post-scan, helping reduce clicks and save time, while achieving exceptional efficiency and consistency in imaging.

The one-step decision tree workflow for cardiac exam helps reduce patient preparation time and reduces exam time. Much of this time is saved due to reduced positioning time, minimized usage of beta blockers and eliminating the need for an ECG connection when the cardiac exam needs to be prioritized for patient access and speed.

Unlimited 1-beat Cardiac guarantees high-quality diagnostic images regardless of heart rate or rhythm, eliminating the need for beta blockers while ECG-less Cardiac can perform cardiac CT exams without ECG signals, eliminating the need for ECG trace placement and monitor connections, which brings better patient experience.

Pfaus found his CCTA to be relatively quick and easy, with little wait time from initial scan to final report. Within hours, he knew that he had some plaque in his arteries, but nothing to be concerned about. "It was quite easy. You get an IV with contrast and 10 minutes later, you're done. All you have to do is wait for the report and then you know the status of your heart. Now I know what I have to do for my heart health," he said.

Elevating cardiac care

Effortless Cardiac Workflow on the Revolution Vibe elevates cardiac care for CCTA patients. It enables clear, full-heart imaging with Unlimited 1-Beat cardiac imaging at low dose and low contrast for every patient, which has improved access to cardiac CT imaging for patients like Pfaus. Thanks to these advanced CT technologies, Pfaus has peace of mind that his heart is healthy and strong.

"It was quite an easy experience," he said. "You just get in an IV, adjust some contrast, and then ten minutes later, that's it. I'm happy that technology like this has improved and is available to help me and my family."



Thomas Pfaus, patient

Reference

1. https://www.who.int/health-topics/cardiovascular-diseases#tab=tab_1

