

Life Saving Technology at USC Arcadia Hospital

Quick and accurate treatment can mean the difference between life and death. The medical response team relies on advanced imaging technology for rapid diagnosis and treatment in emergency situations. USC Arcadia Hospital treats 44,000 patients a year in our busy Hollfelder Emergency Care Center. We performed over 30,000 CT scans in 2023, the vast majority for emergency cases.

CT scans are critical to the prompt diagnosis and treatment of stroke and cardiac patients. They provide scans such as visualization of coronary arteries, blood perfusion studies or lower gastro-intestinal tract imaging. It allows physicians to clearly see fine blood vessels in the heart or vital organs. Stroke patients benefit significantly with clearer brain perfusion imaging.

As a certified Comprehensive Stroke Center, and STEMI (heart attack) receiving center, USC Arcadia Hospital's Hollfelder Emergency Care Center is a critical first stop for patients. Diagnosis and treatment are incredibly time sensitive. CT scans are also especially useful for showing bleeding and internal injuries such as those caused by a car accident and can help locate blood clots, excess fluid, or infection.



44,000+
Emergency Visits



30,000+
CT Scans

The Need: Computed Tomography (CT Scanner)

Goal: **\$3.5M**

Funding still needed: **\$140,000**

CT technology has rapidly transformed in recent years. Newer machines produce significantly sharper images to accurately diagnose and monitor injury and disease, have faster scan time, and are safer with a 40 percent lower dose of radiation. The hospital currently uses two CT scanners, both are located in the main imaging services department on the second floor of the hospital. A new CT scanner located in the Hollfelder Emergency Care Center can save up to 30 minutes when diagnosing patients, allowing for faster treatment.

USC Arcadia Hospital Foundation is seeking support for the purchase, installation, and implementation of a new Aquilion One Prism Plus Edition 320-slice Computed Tomography (CT) scanner in the Hollfelder Emergency Care Center. The new configuration is a multi-functional CT scanner that supports rapid kV switching and can provide up to 640 slices with speed as fast as 0.275 seconds per rotation. It features integrated, anatomically optimized 3D images of the body, improved high contrast special resolution, natural looking image quality with targeted anatomical modeling and will reduce the dose of radiation the patient receives. A new CT scanner will greatly assist our physicians to identify, evaluate, diagnose, and treat clinical abnormalities with the utmost precision and will have a critical impact on throughput of patients from the Emergency Department into the hospital.

If you would like to help us reach our goal, please contact:

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