Arm Support for Supine Patient in Medical Imaging Applications

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Technology description

Invention Summary

A novel method to support a patient’ s arms while laying down in a medical imaging modality has been developed at the University of Utah. Rotational angiography involves a CT scanner that rotates around the patient in a supine position, while the procedure is ongoing. Under anesthesia, the patient places their arms in different positions to keep them out of the way and give the CT scanner a cleaner image. This invention is a method and apparatus of supporting a patient’ s arms in a position suitable for medical imaging when the patient is supine. The technology provides support for the patient’ s arms while the procedure is underway. The support can be easily attached to a standard medical table and supports the patient’ s arms in a safe and secure way, while allowing access to the head and radial artery. This position reduces the stress applied to the shoulder and rotator cuff, further reducing the potential for injury.

Advantages

Simplifies and expedites the procedure allowing quicker turnover for surgeons increasing the number of procedures that can be performed in a day.
Easily attachable to the current table
Made of sterilizable materials so it is reusable and re-sterilizable
Cheap and easy to manufacture
Can be adapted for use in traditional CT scanners and MRI machines
Leaves access to the radial artery and head for the surgeon and anesthesiologist
One size fits all for adults

Institution

The University of Utah

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