



VCU

VIRGINIA COMMONWEALTH UNIVERSITY

“Interactive, Web-based Motion Management System for Radiotherapy” VCU #16-070

Applications

- Interactive motion management for applications such as :
 - Medical imaging
 - Radiation treatment
 - Physical Rehabilitation

Advantages

- Wireless
- Compatible with various devices
- Independent on the OS system

Inventors

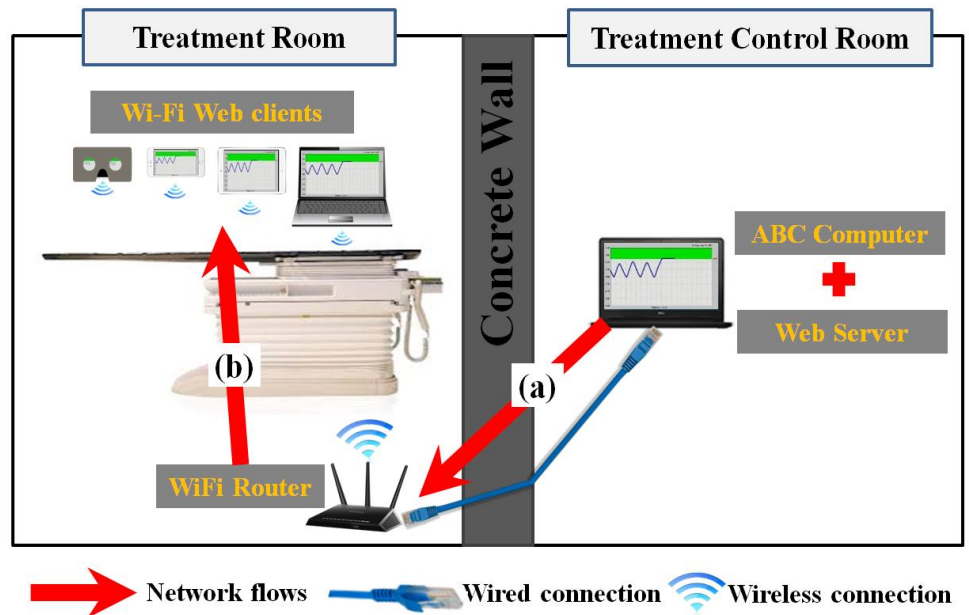
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Technology Summary

This invention is a patient interactive motion management system to deliver audio-visual biofeedback to control breathing during radiotherapy. This is a wireless device that is web-based, therefore allowing the use of various devices to deliver biofeedback. This system allows patients to view their biofeedback and make adjustments in breathing patterns to improve both treatment outcomes during radiotherapy and medical imaging. To the right is a diagram representing the flow of information from a separated control room to the treatment room.



Technology Status

This invention has been prototyped and tested.
 Patent pending: U.S. and foreign rights available.
 This technology is available for licensing to industry for further development and commercialization.