

# Research in Physical Medicine & Rehabilitation

The emerging and dynamic research program at the Johns Hopkins Department of Physical Medicine and Rehabilitation addresses questions and problems that span the extent of the field while focusing on the strengths and interests of the faculty. Research efforts tackle a wide range of issues, both pediatric and adult, stemming from the impairment and limited function that occurs as a consequence of disease or injury, as well as the subsequent restoration of normal function. Ongoing programs include clinical, epidemiologic and basic science investigations into the basis of normal function, dysfunction, and how to address the needs of a disparate population.



Researchers using the fluoroscopy machine as part of their study on swallowing disorders.

Specific areas of focus include musculo-skeletal disorders of locomotion and swallowing, rehabilitation following stroke, sports medicine considerations and rehabilitation associated with worker injury. The department also has a significant program in rehabilitation psychology and neuropsychology. Research centers on the theories and therapies that can improve an individual's function and quality of life following injury or illness from a psychologic perspective. Currently, the research on swallowing, both in infants and adults, and in Parkinson's disease has a high level of support from the National Institutes of Health. Hopkins PM&R is recognized as one of the foremost research centers in the country for oral dysfunction.

The goal of the research program in PM&R is to enhance our ability to address the rehabilitation needs of a diverse population and a diverse set of circumstances responsible for functional deficits. The philosophy driving our research program is that it is necessary to not only understand the target of rehabilitation, but also comprehend the pathophysiology that underlines impairment.

**For more information,  
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