Major breakthroughs in our understanding and treatment of TBI will be the result of creative, multidisciplinary collaborations. To this end, the HII actively collaborates with a number of government, industry and non-profit organizations including:

• American Society of Neuroradiology (ASNR)
• Department of Defense
• GE Global Research
• NIH
• Philips Healthcare
• Siemens Corporate Research and Technology (SCR)

The American College of Radiology (ACR), founded in 1924, is one of the largest and most influential medical associations in the United States. The ACR devotes its resources to making imaging and radiation therapy safe, effective and accessible to those who need it. Its 36,000 members include radiologists, radiation oncologists, medical physicists, interventional radiologists and nuclear medicine physicians.
About Head Injury Institute

Advancing research, prevention and treatment of head injuries through the application of diagnostic imaging

The ACR formed the ACR Head Injury Institute (HII) to use its unique skills to help advance the diagnosis, understanding and treatment of head injuries.

One of the greatest needs in the advancement of head injury medicine is the identification and development of biomarkers that help identify the nature and severity of a head injury. The HII brings a broad and deep range of capabilities and relationships to this challenge.

The many initiatives of the HII involve significant volunteer time from accomplished faculty and staff at over 40 of the nation’s leading medical centers and practices.

Standardization

Traumatic brain injury (TBI) research and treatment

Select Projects

- Whitepaper on the Head Injury Reporting and Data System (HI-RADS) — This HII white paper summarizes and makes recommendations based on existing evidence regarding the use of different types of imaging for TBI.
- HI-RADS Radiologist Decision Support Tool — The HI-RADS decision support tool will assist radiologists in creating standards-based summary reports of TBI studies.
- DTI Protocol Standardization — The HII is developing standardized protocols to ensure that consistent data collection across patients, sites and acquisition hardware.

Translational Solutions

Advancing knowledge from research into practice

Select Projects

- Department of Defense (DOD)-Funded Research — In partnership with Siemens Corporate Research and Technology (SCR), the HII is working with the DOD’s Telemedicine and Advanced Technology Research Center on a project to enable clinicians to collaboratively share and analyze TBI studies.
- Software for TBI Interpretation Using Advanced Neuroimaging — The HII is developing a software tool that provides radiologists with a computer-assisted interpretation of advanced neuroimaging studies in order to diagnose and assess TBI.
- TBI Data Warehouse — The HII is developing a data warehouse of clinical TBI data, including diagnostic images and metadata. This data warehouse will be freely available to TBI researchers to help them accelerate their work.

Knowledge Sharing

Scientists, clinicians, policy makers, patients and other TBI stakeholders

Select Projects

- TBI Training Videos — This series of online videos will provide radiologists with training on how to use imaging to identify and characterize TBI.
- In-Person Training — Leading experts will provide in-depth education on TBI at the ACR’s 2015 Annual Meeting.
- Public Policy — Collaborating with other organizations, the HII leverages the advocacy and political action arms of the ACR to advance both TBI research and treatment.