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## Videos

- Video 9.1:** Maximum principal strain in the brain (warmer colors represent higher brain strains) from a pulse with a peak linear acceleration of 35 g with low rotational kinematics (top) and high rotational kinematics (bottom). Results generated using the Global Human Body Models Consortium (GHBMC)-owned, 50th percentile male, detailed, seated occupant (v4.3) head. (No audio.)
- Video 9.2:** Maximum principal strain in the brain (warmer colors represent higher brain strains) from rotational impacts with peak kinematics of 40 rad/s and 4 krad/s<sup>2</sup> applied in difference planes: sagittal (left), coronal (center), and transverse (right). Results generated using the Global Human Body Models Consortium (GHBMC)-owned, 50th percentile male, detailed, seated occupant (v4.3) head. (No audio.)
- Video 9.3:** Test setup for the Virginia Tech helmet test program. In this example, a hockey helmet is mounted on the head and neck of an anthropometric surrogate (head: NOCSAE headform; neck: 50th percentile Hybrid III). A pendulum impactor with a flat, rigid impactor face impacts the helmeted head at multiple impact locations and velocities to mimic relevant hockey impacts. The head-neck assembly is mounted on a sliding table to allow for linear and rotational motions to be measured. (No audio.)
- Video 19.1:** Case presentation of a 16-year-old girl with spondylolysis treated with direct pars repair via the Buck procedure. (Used with permissions from Barrow Neurological Institute, Phoenix, Arizona.)