[42] Walsh, E.S., Hoshizaki, T.B. (2012) Comparative analysis of the Hybrid III neckform to unbiased neckforms using a centric and non-centric impact protocol. Proceedings of *ASTM Symposium on the mechanism of concussion in sports*, 2012, Atlanta, GA, USA.

- [43] Padgaonkar, A.J., Krieger, K.W., King, A.I. (1975) Measurement of angular acceleration of a rigid body using linear accelerometers. Journal of Applied Mechanics, **42**(30): p.552–556.
- [44] Horgan, T.J., Gilchrist, M.D. (2003) The creation of three-dimensional finite element models for simulating head impact biomechanics. International Journal of Crashworthiness, **8**(4): p.353–66.
- [45]Horgan, T.J., Gilchrist, M.D. (2004) Influence of FE model variability in predicting brain motion and intracranial pressure changes in head impact simulations. International Journal of Crashworthiness, **9**(4): p.401–18.
- [46] Nahum, A.M., Smith, R., Ward, C.C. (1977) Intracranial pressure dynamics during head impact. *Proceedings of 21st Stapp Car Crash Conference*, 1977, New Orleans, LA, USA.
- [47]Trosseille, X., Tarriére, C., Lavaste, F., Guillon, F., and Domont, A. (1992). Development of a F.E.M. of the human head according to a specific test protocol. *In Proceedings of the 36th Stapp Car Crash Conference*, Seattle, Washington, USA.
- [48] Hardy, W.N., Foster, C.D., Mason, M.J., Yang, K.H., King, A.I., Tashman, S. (2001) Investigation of head injury mechanisms using neutral density technology and high-speed biplanar X-ray. Stapp Car Crash Journal, **51**: p.17–80.
- [49]Doorly, M.C., Gilchrist, M.D. (2006). The use of accident reconstruction for the analysis of traumatic brain injury due to head impacts arising from falls. Computer Methods in Biomechanics and Biomedical Engineering, **9**(6): p.371–377.
- [50] Post, A., Hoshizaki, T.B., Gilchrist, M.D., Brien, S., Cusimano, M.D., Marshall, S. (2015) Traumatic brain injuries: The influence of the direction of impact. Neurosurgery, **76**(1): p.81–91.
- [51]Shuck, L.Z., Advani, S.H. (1972). Rheological response of human brain tissue in shear. Journal of Basic Engineering, **94**(4): p.905-912.
- [52]Zhou, C., Khalil, T.B., King, A.I. (1995) A new model for comparing responses of the homogeneous and inhomogeneous human brain. *Proceedings of the 39th Stapp Car Crash Conference*, 1995, p.121-136.
- [53] Mendis, K., Stalnaker, R., Advani, S.A. (1995) Constitutive relationship for large deformation finite element modeling of brain tissue. Journal of Biomechanical Engineering, **117**(4): p.279–85.
- [54] Miller, K., Chinzei, K. (1997) Constitutive modelling of brain tissue: Experiment and theory. Journal of Biomechanics, **30**(11): p.1115–1121.
- [55] Miller, R., Margulies, S., et al. (1998) Finite element modeling approaches for predicting injury in an experimental model of severe diffuse axonal injury. *Proceedings of the 42nd Stapp Car Crash Conference*, 1998, Tempe, AZ, USA.
- [56]Post, A., Oeur, A., Hoshizaki, T.B., Gilchrist, M.D. (2014) Differences in Region Specific Brain Tissue Stress and Strain due to Impact Velocity for Simulated American Football Impacts. Journal Sports Engineering and Technology, p.1–11.
- [57] Takhounts, E.G., Hasija, V., et al. (2008) Investigation of Traumatic Brain Injuries Using the Next Generation of Simulated Injury Monitor (SIMon) Finite Element Head Model. Stapp Car Crash Journal, **52**: p.1-32.
- [58] Kimpara, H., Iwamoto, M. (2011) Mild Traumatic Brain Injury Predictors Based on Angular Accelerations During Impacts. Annals of Biomedical Engineering, **40**(1): p. 114–126.
- [59] Rowson, S., Duma, S. M., et al. (2012) Rotational Head Kinematics in Football Impacts: An Injury Risk Function for Concussion. Annals of Biomedical Engineering, **40**(1): 1-13.
- [60]McIntosh, A.S., Patton, D.A., Fréchède, B., Pierré, P., Ferry, E., Barthels, T. (2014) The biomechanics of concussion in unhelmeted football players in Australia: a case—control study. BMJ Open, 4: p.1-9.
- [61] Wright, R.M., Post, A., Hoshizaki, B., Ramesh, K.T. (2013) A multiscale computational approach to estimating axonal damage under inertial loading of the head. Journal of Neurotrauma, **30**(2): p.102-118.
- [62]Kendall, M., Walsh, E.S., Hoshizaki, T.B. (2012b) Comparison between Hybrid III and Hodgson-WSU headforms by linear and angular dynamic impact response. Journal of Sports Engineering and Technology, **0**(0): p.1–6.