



Injuries happen during an unexpected burst of chaos, over so quickly that victims are often unable to comprehend what happened, let alone why. The aftermath for lawyers, insurers and manufacturers can be a complex web of hypotheses, theories and motivations – and determining fault, if any, has direct consequences on the reputation, longevity and public goodwill of companies on the defense and on the lives of the victims.

Imagine having the ability to rewind and watch accidents in ultra-slow-motion, with objective, expert commentary on points of injury, failure or human miscalculation. At **Synaptic**, we navigate through biomechanical facts for judges and juries on your behalf, applying infallible mechanical science for clarity, understanding and the most positive outcome possible.

**Synaptic Analysis Consulting Group, Inc.** performs biomechanical analyses of injuries and provides expert witness services on issues related to injury causation and prevention. We provide the highest quality technical services to assist our clients with biomechanical reconstructions of injury mechanisms as well as with issues related to orthopaedic medical devices, such as testing, research, and analysis. We are located in the pacific northwest in Vancouver BC. We routinely work on both coasts of Canada and the USA and we have developed cost-effective ways to work across these wide geographic areas.



**Rollover motor vehicle accident:**  
We determined how the driver was ejected and whether his fatal injuries occurred inside or outside of the vehicle



**Cyclist accident:**  
We proved whether the use of a helmet would have prevented her injury



**Residential accident:**  
We revealed whether a broken handrail was the result of a fall, or the cause of a fall



**Pedestrian accident:**  
We established whether he was crossing from between parked cars, or at a crosswalk



**Seatbelt claim:**  
We determined whether or not the driver was wearing his seatbelt during a motor vehicle accident

