

Design for Impact Reduction in Football Helmet

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The head impact exposure for athletes involved in football at all levels has been well documented; however, the head impact exposure of the youth population involved with football has yet to be investigated, despite its dramatically larger population. The objective of this study was to study the impact forces taken in football. Impacts will be analyzed taking a typical football helmet and run different experiments in order to better understand the design. By doing these experiments we will come up with a better design. Your average player takes a total of about 400 impacts in a season. This amount of hits can cause and have caused major damages to certain players and will continue until a better design is introduced.



