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Omega Gear Product Sheet

Concussions are minor traumatic brain injuries that can occur through impact's to the head. They can lead to both short and long term physical and mental damage as the players get older. Concussions are a growing and controversial issue in the sports industry. Our product, Omega Gear, will help greatly reduce concussions and will make the game safer.

Omega Gear is a revolutionary alternative to the traditional helmet padding. It is designed to prevent sports related concussions. Omega Gear is a helmet liner that is made up of Densotropic liquid, also known as D-gel. This new and revolutionary technology is a liquid in its natural state and when under pressure automatically thickens accordingly to the level of impact. This will make our helmets the first ever active helmet. Because it is actively moving to protect areas facing impact, customers can ensure that all area's of the head will be protected. Omega Gear aims to be the first helmet to make a significant reduction in the likeness of receiving a concussion during active sporting and activities.

As our company grows and expands this helmet technology will be implemented into other helmets for other sports also containing high risks of concussions such as ice hockey, motorcycling, bicycling, and more.

How it works

- Densotropic liquid
 - Naturally thickens when faced with impact
 - Dependant on the level of impact
 - Makes protection customizable to every situation

Features

- Newest technology in the market
- Avoids the issue of over padded helmets
 - Over padded helmets can cause more damage
- Lightweight
- Durable

Environmental/ Social benefits

- Athletes
- Helps prevent concussions/head injuries
 - Multiple types of helmets

Primary Benefits to Consumer

- Helps prevent concussions
 - By protecting against concussions your protecting against future brain damage, coma's, etc.
- Gives you feeling of safety
- Improved performance

Head games: concussion crisis in football

As athletes get bigger, stronger and faster than ever before, concussions - caused by violent collisions - are becoming a troubling part of professional football.

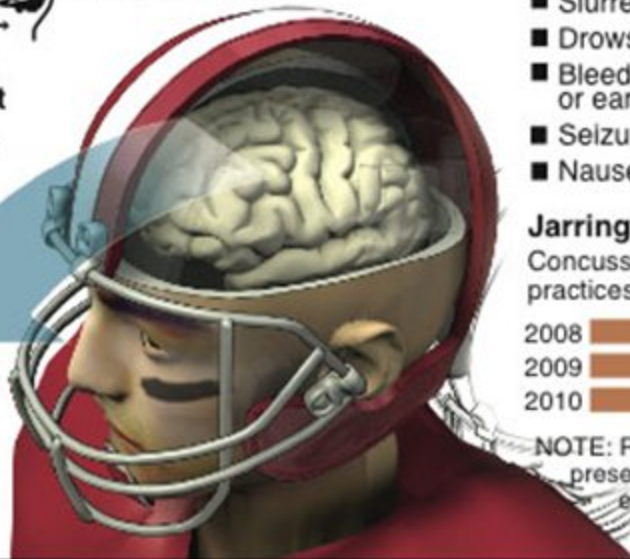
Concussions

Can occur when the brain moves inside the skull from an impact or whiplash effect



Initial impact

The force from the impact causes the brain to strike the inner surface of the skull and can rebound against the opposite side



Some symptoms

- Confusion
- Slurred speech
- Drowsiness
- Bleeding nose or ears
- Seizures
- Nausea

Jarring numbers

Concussions in practices or games:



NOTE: Reported from preseason through eighth week of each season

NFL Concussions by Position

