

CONI is a concussion diagnosis headset which aims on providing a tool that can be highly usable and detailed for sideline medics.



CONI enable medics to be supplied a tool that can be able to diagnosis an athlete's concussion in 5-7 minutes independently. While having the aim of obtaining quick and accurate information within regard to the athlete's condition. In order for the athlete to be provided with in depth assessment, giving them enough information to make a justified decision. So if the athlete chooses not to see a doctor, they know enough about their condition to not return back to sport too quickly.

The medic simply applies CONI onto the athlete's head where the test will be conducted. The test utilises reaction-based testing that's displayed through Augmented Reality onto the frosted glass visor in the headset.

This new device incorporates a new system additionally consisting of an app that allows test results from the headset to be viewed and sent away to the athlete's doctor or the athlete. This app also offers a memory and balance test that don't require in the scenario that the athlete is unable to wear the headset.

CONI streamlines the concussion assessment context for both medic and athlete preventing medics being rushed into making generalised assessments, therefore, preventing athletes returning to play early. The overall aim of the new system to prompt medics to easily send assessments directly to doctors so they can know more about the athlete's concussion. Offering a trustworthy improvement to what is currently provided in the current context.

CONI includes its own carry/charging case where the medic when needs to be used will take it out of the case and apply onto the athletes head. Once placed, the medic turns on the headset and presses play. The calibration process will begin before the test starts. The test will play where the medic can watch live how the athletes reacts.

When the test finishes, the headset will light up the athlete's diagnosis (red = severe, yellow = mild, green = fine). The medic takes of the headset, where data will be sent to the app. The medic uses the app to explain information to the athlete where it'll be sent away.

