Abstract

This article belongs to an initial phase of a project with the aim of developing a protection glove to play "pilota valenciana". Nowadays, players do not have a safety specific equipment to protect their hands and there is a general lack of scientific knowledge to develop specific materials. In this context, this research shows an inquiry study on 100 players of "pilota valenciana" (51 of them professional players) about the traditional protections they use. The purpose is to establish the design specifications of the future protection as well as to determine a type protection. Some results show that the 64% of the players consider that their protections worsen the performance and the 84% of them spend one hour or more time in the protection configuration. It has been proved the necessity of solving the disadvantages of the current protections keeping in mind the design specifications of the players.

Keywords

Protection, performance, comfort, injuries, glove.