

عنوان مقاله:

EARS - Elder Audio Refined Share

محل انتشار:

هشتمین کنگره علوم اعصاب و پایه و بالینی (سال: 1398)

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خلاصه مقاله:

Background and Aim : The global trends in ageing populations and the higher risk of disability in older people are likely to lead to further increases in the population affected by disability. According to data from World Population Prospects: the 2015 Revision (United Nations, 2015), the number of older persons has increased substantially in recent years in most countries and regions, and that growth is projected to accelerate in the coming decades. mHealth (also written as m-health or mhealth) is an abbreviation for mobile health, a term used for the practice of medicine and public health supported by mobile devices. The term is most commonly used in reference to using mobile communication devices, such as mobile phones, tablet computers and PDAs, and wearable devices such as smart watches, for health services, information, and data collection. The mHealth field has emerged as a sub-segment of eHealth, the use of information and communication technology (ICT), such as computers, mobile phones, communications satellite, patient monitors, etc., for health services and information. Methods : The overall method is to create a package including a wireless headphone, a tablet, a SIM card and then internet package for the elderly people. The major innovation of this technology is a connection between headphone and tablet through an incredibly easy application which the Elder can do divers actions including watching film, listening to music, Reading story in their own language, listening to vital points about health and nutrition and finally the most important part is the attendance part which the Elder people can hear and listen to relatives and families voices which can inject loveliness and kindness to elder people. The main application of headphone is a great amplifier which can amplify the voice of applications sounds and media also it can connect to the application through a Wi-Fi Dongle and can charge itself without needing charger. Moreover, we have two applications, one of them is especially for elder person who can use the application very easily with great resolution and exhibition also the other application is for relatives who can send voices, videos, films and see the Elders status from their smartphone. Results : By using this technology and package which can help elder person to communicate easily with his or her relatives and families also can be very easily occupied through internet in variety of aspects. Diverse diseases can be prohibited such as malnutrition, cognitive ... problems, loneliness, substance abuse and hearing loss which are the most

کلمات کلیدی:

EARS, Nueroscience, Cognition, Memory, Elder, Disability

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