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## A TELEMEDICINE WOUND CARE MODEL USING 4G WITH SMART PHONES OR SMART GLASSES

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### ABSTRACT

*To determine the viability of a wound-management paradigm based on 4th-generation digital communication industry standards (4G) and smart phones or smart glasses. This wound treatment approach is a real-time, interactive platform for telemedicine, wound dressing changes, and surgeries. It was established in March 2015 between Jinhua, Zhejiang Province, and Shanghai, China, which are separated by 328 kilometers. A video program (APP), 4G internet, smart phones or smart glasses, and a central server were all included. This model service was utilized 109 times in one month on 30 patients with wounds on their lower limbs. The service functioned effectively after a brief learning curve and was considered user-friendly. After the research, two patients (6.7 percent) had healed wounds, while others needed wound dressing changes. This concept was well received by both local practitioners and patients (100 percent and 83.33 percent, respectively). This telemedicine approach is practical and useful since it allows for medical wound healing services in distant regions where experts are rare.*

**KEYWORDS:** *Application, Light, Smart Glass, Smartphone, Telemedicine.*

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