

使用数字技术治疗糖尿病足溃疡的促进因素和障碍：定性系统评价

邦敏丰, 泽都铎, 洛林厄普顿
新加坡人口健康科学中心

要：数字技术的使用已被证明可以有效地管理慢性病。远程医疗和移动应用程序是数字技术在管理糖尿病足溃疡（DFU）方面的两种常见应用。将其用于DFU管理的促进因素和障碍尚待探讨。这是一篇定性系统综述，本文检索了五个书目数据库和灰色文献来源（2000-2019）。两名评价员独立筛选引文，提取数据，评估纳入研究的质量，并进行专题综合。本文纳入了三项关于患者的研究和五项关于保健医生（HCP）的研究；两项研究侧重于移动应用程序的使用，六项研究侧重于远程医疗。在对患者的研究中，产生了四个分析主题：与HCP的关系；对使用数字技术的态度；伤口成像的作用；以及数字技术对DFU护理的影响，包括15个促进者和12个障碍。关于HCP的研究产生了三个分析主题：数字技术对HCP的影响；以及HCP的传播。数字技术在DFU护理中的作用；和组织DFU护理服务，包括17名促进者和16个障碍。患者和HCP报告了与在DFU管理中使用数字技术的不同方面相关的各种障碍和促进因素。我们的研究结果可以帮助为未来的研究以及数字技术在DFU管理中的采用提供信息。

关键字：糖尿病足溃疡；数字技术；移动健康；定性；远程医疗

Facilitators and Barriers of Using Digital Technology for the Management of Diabetic Foot Ulcers: A Qualitative Systematic Review

Bhone Myint Foong, Zee Tudor, Lorainne Upton
Centre for Population Health Sciences, Singapore

Abstract The use of digital technology has been shown to be effective in managing chronic conditions. Telemedicine and mobile application are two common applications of digital technology in managing diabetic foot ulcers (DFU). The facilitators and barriers of using it for DFU management are yet to be explored. This is a qualitative systematic review. Five bibliography databases and grey literature sources were searched (2000-2019). Two reviewers independently screened the citations, extracted the data, assessed the quality of the included studies, and performed thematic synthesis. Three studies on patients and five studies on healthcare practitioners (HCPs) were included. Two studies focused on the use of mobile applications and six on telemedicine. In studies on patients, four analytical themes were generated: the relationships with HCPs; the attitude towards the usage of digital technology; the role of wound image taking; and impact of digital technology on DFU care, encompassing 15 facilitators and 12 barriers. Three analytical themes were generated from studies on HCPs: the impact of digital technology on HCPs; the role of digital technology in DFU care; and organisation of DFU care delivery, encompassing 17 facilitators and 16 barriers. Patients and HCPs reported various barriers and facilitators relating to different aspects of using digital technology in DFU management. Our findings can help inform future research as well as the adoption of digital technology in DFU management.

Keywords Diabetic foot ulcer; Digital technology; Mobile health; Qualitative, Telemedicine

引言

IDF Atlas

DM

2011

1964	3000			40	
	1.71				
	IDF	2003		1.94	
2006	2.46	2009	2.85	2011	3.66
2013	3.82	,	2040		6.42

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Thomas Harden

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结论

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DFU

参考文献

DFU

Moore

DFU

HCP

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