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Enhancing Hospital Collaboration Through ICT: A Case Study of Utilizing a Chat App in a Podiatry Clinic

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Abstract

In podiatric care, achieving genuine collaboration among all stakehold rs is imperative, lical pr challenges hinder this in both specialized and non-specialized healthcare In addressing th ae. the clinic previously utilized paper-based communication tools akin to exchange jour with limited e cacy. To ped in Ja overcome these limitations, the clinic embraced JOIN, an ICT app devel facilitating collaboration among all healthcare professionals. This implementation enables sharing of ent information and seamless communication, reporting, and consultation essential for reatment within the clinic ina.

The integration of JOIN has significantly improved collaboration among all practitioners associated with the podiatry clinic, including specialists, dialysis facilities, time care stations, and relevant personnel. This enhanced coordination has made advanced care planning activable. Moving forward, there is a commitment to further the adoption of ICT to empower more healthcare poviders in prior tizing patients' feelings and intentions during treatment. The case of fuji foot and cardio or ular clinic prives as a valuable model for advancing seamless collaboration in podiatric care through innovation prior to prior the care.

Keywords: Podiatric diseases; Telemedic e, regialized podiatry clinic; Advanced care planning; COVID-19 pandemic; ICT

Description

The author, with extensive experience vascula reconstruction ocialized and plastic surgery in specialized hospitals, ablis podiatric clinic to bridge the gar oc ween specialized hospital care. Desi te prior experivday practice and in specialized hospitals, the author recogni he current diffic providing information, procedures, comprehensive ing treatment considerations, lifestyle precautions, re-referral timing to other healthcare providers additionally, the Venge of consulting from non-medical to redical settings and ch to hospitals became apparent [1].

Initially focus on coordination of the provided set of the set of

Depth a lysis of five case studies

Case 1: the JOIN app streamlined communication between a clinic and a specialized podiatric clinic for a severe lower limb ischemia patient undergoing dialysis, residing approximately 30 kilometres away. The timely coordination averted potential complications in the high-risk foot. **Case 2:** Showcases the JOIN app's role in quick referral and decision-making for a post-digestive cancer surgery patient with black necrosis. The app enabled communication between a cardiac vascular surgeon and a specialized limb salvage hospital, addressing the patient's urgent needs.

Case 3: A diabetic patient receiving home-based care faced deteriorating foot conditions due to insufficient awareness in the dialysis unit. Amidst the challenges during the COVID-19 pandemic, the JOIN app facilitated collaboration among a visiting nursing station, local practitioner, specialized foot clinic, and home care, enabling focused and coordinated treatment.

Case 4: Involves a patient with foot necrosis due to chronic iron-deficiency anaemia, opting for palliative care. The JOIN app facilitated collaboration among a visiting nursing station, foot clinic, and various care professionals, enhancing the patient's quality of life in a challenging environment following the death of the spouse.

Case 5: Demonstrates the JOIN app's contribution to coordinating care for a patient with cellulitis and significant exudate in both lower legs. The app enabled communication between the patient, visiting nursing station, and involved professionals, fostering shared understanding of the patient's condition and treatment preferences.

Results

Case 1: The condition did not worsen, and the patient showed improvement.

Case 2: The patient avoided amputation and successfully underwent limb salvage.

Case 3: Two critical weeks bridged the patient's life until admission. The ulcer infection showed signs of healing during this period, and the patient's condition improved significantly. The patient was discharged in better condition than before the ulcer developed.

Case 4: The wound, referred to as the "end-of-life sore," epithelialized within six months.

Case 5: After a few days of outpatient treatment, edema reduced, exudate ceased, and within ten days, the ulcer completely healed, showcasing a remarkable improvement.

Benefits of implementation

While some regions have local healthcare collaboration systems, they often suffer from complexities such as cumbersome login procedures, device restrictions, and a lack of user-friendly features like chat functionalities to ensure safety. On the other hand, JOIN, as demonstrated in the case studies, seamlessly connects all stakeholders involved in patient care, including specialists, podiatric clinics, and home care stations, in real-time [3].

Furthermore, JOIN allows for a comprehensive understanding of the patient's life beyond the examination room, sharing not only patient's living environment but also their evolving emotions and future aspirations [4]. This collective sharing fosters a sense of true from patients towards healthcare providers, enhancing the overall patient-provider relationship.

Discussion

One recurring question from hesn bout imprementation pertains to concerns about the ecurity of a syst containing personal information. Many express ervations due t inclusion of N sys [5]. In respons, it is important sensitive data in the J to note that JOIN has obtained proval as a medical device, with security mercures equivalent (EMRs). Therefore, there is no need Nectronic Medical Records worry about information such as those found in Social Networking leaks from ulnerabiliti Sites (SN

The second st frequent question comes from specialized ut increased workload and being bogged down pb ns worried \mathbf{U} . Contrary to this concern, the author troduction oy the s that the ado i on of ICT actually reduces workload. This is emphas early collaboration through ICT significantly decreases the ecaus d effort individual physicians spend on severe who missed referral timings or on cases of mild severity that pa did n uire consultation [6].

The ard most common inquiry centres around the perceived complexity of the implementation process. To address this, the clinic provides a comprehensive guide covering safety explanations, the significance of using JOIN, step-by-step account creation procedures, links to relevant medical societies, information about JOIN's development company, Allm Inc. and materials created by the distributor, Kaneka Corporation. Additionally, support mechanisms are in place for any issues during app download and registration. As a unique initiative, the clinic creates a temporary chat group with all

clinic staff and interested facility member's post-registration, allowing practice sessions for using JOIN.

Conclusion

Moving forward, the goal is to widely disservente the understanding that the adoption of ICT not only significantly receives the workload of physicians but also assures the moust security of JC in Jn to role of a foot care medical educator, the aim is to envey the method of JOIN to learners in the field of factories.

In the realms of foot medical foo care, professionals unknown so encounter variou ios, lading to questions, concerns, and s. Knowing the is a reliable external ailable all times for such situations and being connection e smooth laboration as needed when in the field, able to initia between home care and medical strength the connect autions. This, in turn, is confidence in professionals to ins hsult without hesitation when needed, ensuring timely interventions.

Moreover, through ICT collaboration, there has been a significant overy in the oppe tunity to grasp the emotional fluctuations related to use the treatment Being able to share feelings within the team that pathe on a set of the realization of the physician enables not only treatment but also the realization of patient aspirations. This has led to numerous experiences where both patients and healthcare provide can set goals for treatment, understanding the patient's desires and the purpose of treatment for future objectives.

As a certified institution for learning foot care, the aim is to promote the use of ICT and JOIN to ensure that individuals who have learned at the clinic can confidently and securely contribute to organizations and communities. The ongoing commitment is to facilitate patients in receiving treatment with confidence. There is no conflict of interest in these efforts.

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