

MEDIA RELEASE

Embargoed till 10am, 2 August 2018

**First in ILTC sector to deploy automated 3D wound management system
- Novel solution enables accurate assessments for early interventions both onsite or remotely -**

Singapore, 2 August 2018 – As one of the key providers in the intermediate and long-term care (ILTC) sector, Ren Ci Hospital collaborated with Tetsuyu Healthcare, a homegrown healthcare company that delivers nursing, medical and therapy care innovations, to pilot CARES4WOUNDS, a state-of-the-art wound management application that is capable of capturing 3D images of wounds, measure, record, monitor progress and even provide treatment guidance.

With the ageing population in Singapore, the prevalence of wounds, especially diabetic ulcers, is high among the geriatric patients. Wound management is particularly challenging in the ILTC sector, relying on manual wound measurement and observation to deliver intervention. This sparks the need to explore a clinical solution to better manage wounds of elderly patients.

“As one of the major healthcare provider in the ILTC sector, we take pride in improving our processes, service and quality to create more value for our patients and staff. To achieve this, we need to harness new healthcare technologies not only to derive the best care possible for the patients but also achieve efficiency gains operationally. We see the opportunity for us to raise the quality of care, especially within Nursing Homes said Madam Jenny Sim, Group Director of Nursing, Ren Ci Hospital.

CARES4WOUNDS allows care staff to capture and store 2D or 3D images of wounds with an easy to use application on a tablet attached with a 3D scanner. Measurements are taken with a simple touch function and observations are recorded with an intelligent dropdown list with accompanying visual references to minimize writing and facilitate clinical education.

The application facilitates wound progress trending, monitoring and escalation for early intervention. It combines wound trending with key information such as nutrition, blood sugar levels and other systemic factors in an intuitive visualization tool for seamless remote monitoring and guidance. The teleconsultation feature allows experts to guide care staff remotely and effectively even when offsite. This innovation was used on patients with wounds in the community hospital as well as bed-bound residents in the chronic sick unit and nursing homes where they are more prone to pressure ulcers

“At Tetsuyu Healthcare, our vision is to enable accessible, affordable and quality eldercare services through our innovations. We aim to help care providers raise staff productivity and care quality through seamless collaboration. Partnering Ren Ci enables us to uncover real wound scenarios which helps to enhance our application to offer better functionalities and outcome for our users,” said Ms Ng Li Lian of Tetsuyu Healthcare.

Phase 1 of this pilot trial which includes 3D imaging, semi-autonomous measurements, standardised assessment tools, remote trending and monitoring showcases a seamless wound management through better distribution of workflow and improved monitoring of patients with chronic wounds. Ongoing phases will enable fully automated measurement and documentation, healing progress analytics, treatment guidance and teleconsultations. To perfect the system, Ren Ci Hospital and Tetsuyu Healthcare will continue to work on infection detection and wound healing guidance through the application of artificial intelligence (AI).

“We are first in the ILTC sector to leverage on this wound management innovation across the care continuum to deliver value based care at a sustainable cost, enable our patients to achieve better quality of life and better deploy manpower resources,” adds Mr Joe Hau, CEO of Ren Ci Hospital.

- End -

For media enquiries, please contact:

John Tang
Corporate Communications
DID: 6355 6402
Email: john_tang@renci.org.sg

Jennifer Wee
Corporate Communications
DID: 6355 6401
Email: jennifer_wee@renci.org.sg

About Ren Ci Hospital

Established since 1994, Ren Ci Hospital is one of the few charity healthcare institutions in Singapore to provide high quality and affordable medical, nursing and rehabilitative care services for the community, based on the principles of loving kindness and compassion. Ren Ci plays an integral role in supporting the healthcare needs of the elderly through adopting holistic way of delivering person-centred care.

Besides giving hope to the frail elderly by helping overcome their disabilities and teaching their families to care for them at home, Ren Ci also partners various community groups and social enterprises to give dignity back to the elderly.