

Briefing Note

November 14, 2018

For Information

Board of Directors Item 14.1 – Innovation Partner Presentation – KA Imaging

PURPOSE

To provide the WWLHIN Board of Directors an overview of the KA Imaging solution and explore opportunities for patients across the WWLHIN.

CORE CONTEXT

- KA Imaging is a Kitchener based start-up
- KA Imaging has created a dual energy detector that provides significantly better resolution than traditional chest x-rays and thoracic CT's at a much lower cost and dose
- The company is supported by Christie Digital (Christie Medical Holdings) in Kitchener
- The WWLHIN will continue to seek out and support innovations that improve patient outcomes and drive efficiencies across the system
- Many innovative health technology companies face challenges in penetrating our local and provincial health system, including KA Imaging.

RECOMMENDATION

No recommendation required at this time.

Waterloo Wellington LHIN

BACKGROUND INFORMATION

KA Imaging is a Kitchener based start-up led by founders Amol Karnick and Karim Karim. They are currently housed at Christie Digital in Kitchener, as part of their medical incubator program.

KA Imaging has designed and developed a portable multi-energy X-ray detector that enables soft tissue differentiation. Being able to offer soft tissue differentiation is a key advantage for clinicians over traditional x-ray systems as it improves quality and accuracy of identifying potential issues. This solution also issues a lower dose of radiation compared to traditional CT scans, the implication being a better quality solution for patients as well as possible diversion of thoracic CT scans to a dual imaging solution. They have also designed and developed the solution as a portable and retrofittable detector for easy installation and upgrades to existing x-ray systems. This health technology has potentially significant and disruptive impacts on medical imaging wait times, quality and accessibility, as well as providing portable solutions for remote and vulnerable populations and communities.

While KA Imaging offers an innovative solutions to improve quality and reduce wait times for patients, they have experienced challenges penetrating the local and provincial health system, despite support from provincial and international leaders such as the Ontario Centres of Excellence and Christie Digital.

The WWLHIN Board will have an opportunity to hear about KA Imaging, their solution and experience and gain insight in to specific challenges that health technology companies have in penetrating our local health system.

NEXT STEPS

For information