



Full Seracam® Characterisation Results Published in EJNMMI Physics

London, UK, 8 July 2024. Serac Imaging Systems Limited (“Serac Imaging Systems” or “the Company”), the medtech company developing a portable hybrid gamma-optical camera for medical imaging, announces today that the results from a full characterisation study of Seracam conducted by Loughborough University have been published in the latest edition of the EJNMMI Physics, a companion journal to the European Journal of Nuclear Medicine and Molecular Imaging (EJNMMI).

The paper demonstrates Seracam’s capability in a range of challenging simulated clinical settings and also highlights its ability - as a compact and portable camera - to overcome certain limitations of conventional gamma cameras. In particular, Seracam’s excellent spatial resolution was determined to significantly enhance image quality. The paper concludes that *“for small-field-of-view imaging, Seracam offers the potential to extend the utility of nuclear medicine investigations beyond the restraints of the larger fixed camera systems.”*

Authors on the paper entitled [“Seracam: characterisation of a new small field of view hybrid gamma camera for nuclear medicine”](#) are Sarah L. Bugby, Andrew L. Farnworth and William R. Brooks from the Department of Physics, Loughborough University, Loughborough, UK, and Alan C. Perkins, Radiological Sciences, School of Medicine, University of Nottingham, Nottingham, UK.

About Seracam®

Seracam® is an innovative, compact and highly portable hybrid gamma-optical camera which is in development to bring the benefits of high-resolution molecular imaging to a patient’s bedside. This breakthrough technology will enable users to see the uptake of targeted tracers, labelled with minute amounts of radioactivity, to patients in a wide range of settings: an operating room, an intensive care unit, or a physician’s office. Currently the benefits of such imaging are largely confined to patients who can be referred to a hospital’s nuclear medicine department where the large, heavy and expensive conventional gamma cameras are sited in a fixed position in a dedicated room.

A further unique feature of Seracam®, is the combination of a gamma image overlaid with a co-aligned optical image of the same region of interest. This adds further information regarding the precise anatomical location of the molecular imaging tracer and could be used to aid the discussion between the physician and patient regarding their condition and the optimal treatment path.

Clinical studies using Seracam are ongoing at three international centres.

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Notes to Editors

About Serac Imaging Systems

Serac Imaging Systems Ltd is the medtech company developing a portable hybrid gamma/optical camera for medical imaging. Our lead product is Seracam® which is in development to bring the benefits of high-resolution molecular imaging to a patient's bedside, instead of being confined for use in a hospital's nuclear medicine imaging department. A further unique feature of this technological approach is the overlay of a gamma image with an optical image of the same anatomical location under examination. Such portable and enhanced imaging technology has the potential to help clinicians make better, more informed and more timely treatment decisions. Seracam® is a UK and EU registered trademark.

Seracam® is for investigational use only and has not been cleared or approved by the FDA or UK and European regulatory authorities.

Serac Imaging Systems Ltd is a wholly owned subsidiary of Serac Life Sciences Limited.

For further details, please see www.seracimagingsystems.com

About molecular imaging

Molecular imaging is a type of medical imaging that provides unique insights into what is happening inside the body at the cellular and molecular level helping physicians to deliver personalised medicine by delivering the right treatment to the right patient at the right time. Unlike other medical imaging technologies such as x-rays, computed tomography (CT) and ultrasound (US) which provide structural images, molecular imaging allows physicians to see how cells, tissues and organs are functioning and to measure chemical and biological processes without having to resort to biopsy or surgery.