

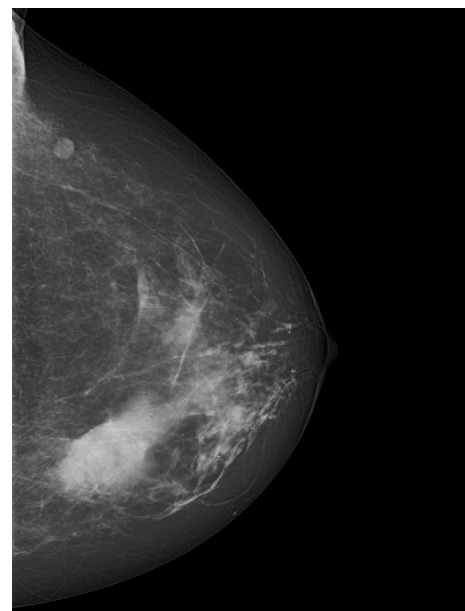


## IBEX SC

Scatter Correction

# Multi-modality physics-based gridless scatter correction

IBEX SC is a gridless scatter correction solution powered by IBEX Trueview®. It is implemented as a software module within a typical image processing pipeline. Proven in clinical applications including Mobile DR, CBCT and Mammography, IBEX SC is a powerful alternative to physical grids.



*Left: Mobile chest X-ray showing improved visualisation of lines and tubes; Centre: Lateral L-Spine; Right: Mammogram*

Grid equivalent image quality

Reduced patient dose

Versatile application, efficient workflow, reduced costs



## Multi-modality gridless scatter correction

### Mobile DR

Successfully evaluated in an ITU setting [1]. Provides better tube and line visibility without the complication of grid alignment.

### Fixed DR

Estimates and corrects for scatter by simulating X-ray physics and transport through the object.

### Mammography

Grid equivalent performance in FFDM with standard screening and diagnostic protocols supported. Compatible with all breast sizes and densities.

Improved image quality in DBT offering better global contrast. Local contrast boosts provide better tissue discrimination in thicker breasts.

### Cone Beam CT

Improved bone and soft tissue contrast with reduced artefacts and noise.

## Performance and operation

Multi-modality, multi-application gridless scatter correction processing in parallel to image pipeline with no impact to workflow.

## Compliance

IBEX SC is based on Trueview technology and is fully documented to support certification activities of integrators in line with ISO 13485.

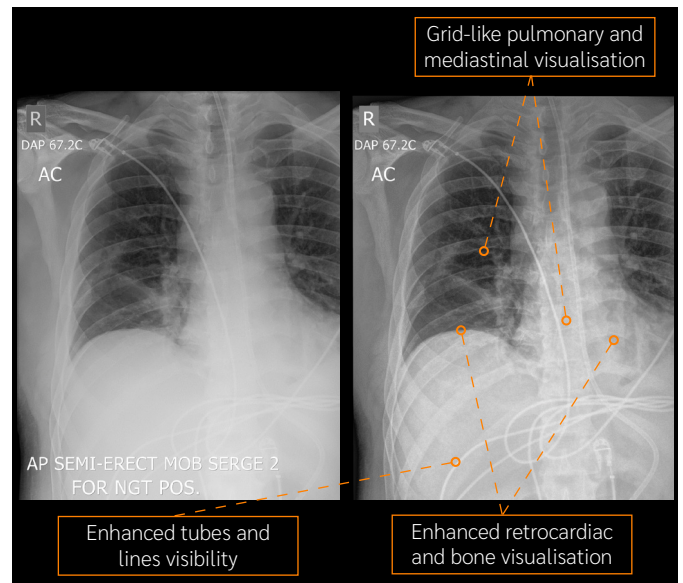
## Integration

The software is provided as an SDK with full instructions and support for integration into the imaging pipeline of your system.

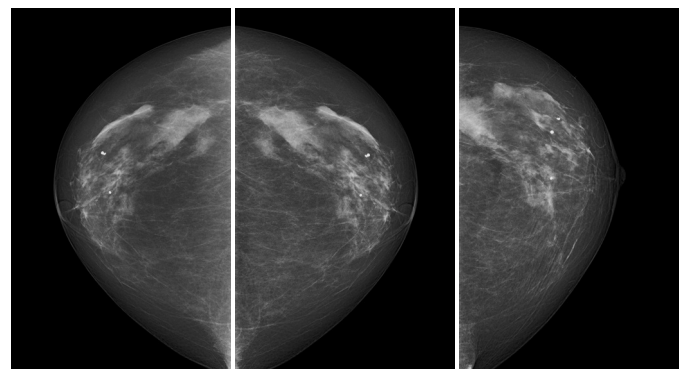
[1] Targett et al. DOI: 10.1177/02841851221087631

## About IBEX

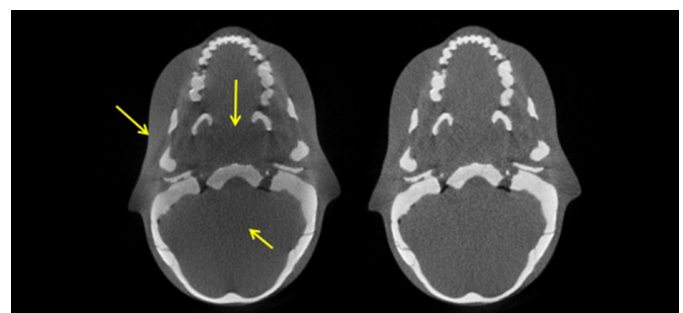
IBEX Innovations has a mission to support healthy ageing by increasing access to osteoporosis diagnosis and improving outputs in digital radiography and computed tomography. IBEX X-ray imaging software products are based on the unique IBEX Trueview® technology, which uses a combination of physics modelling and AI to



Left: Conventional Chest X-ray; Right: With IBEX SC



Left: No ASG; Centre: With IBEX SC; Right: With ASG



Left: Conventional CT Slice; Right: With IBEX SC

maximise the value of every X-ray.

IBEX is accredited to ISO 13485:2016 and IBEX products and technology are protected by granted and pending patents worldwide. It is a private company, with a world class team of scientists, engineers, statisticians, and business professionals based in North East England.

