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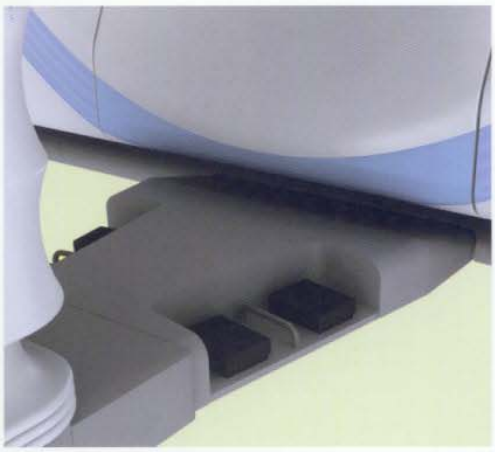
ECLOS

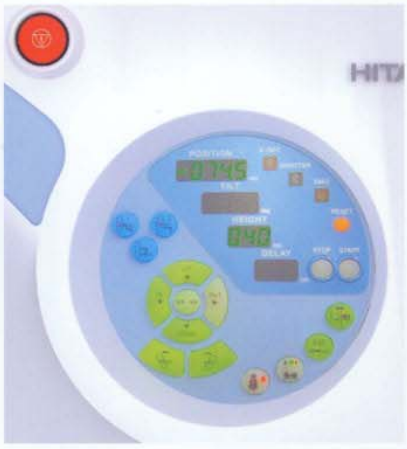
The scalable multislice CT

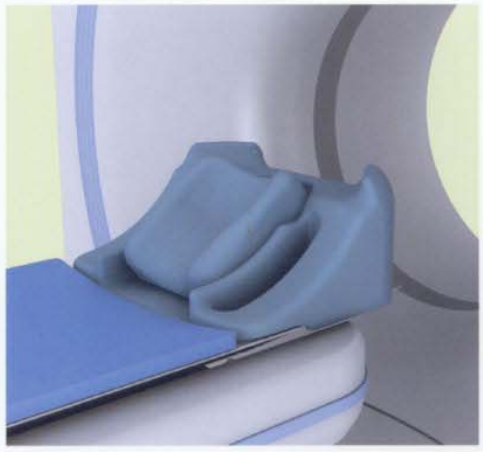
ECLOS – the scalable multislice CT

Hitachi Medical Systems presents ECLOS, the scalable multislice CT system that fits all your needs.

Hitachi Medical Systems is a division of Hitachi Ltd. with headquarters based in Tokyo, Japan; a company renowned for technological innovation. Our extensive experience and expertise in Computed Tomography (CT) is reflected in its outstanding image quality; a strength enhanced by superior ergonomic handling and advanced ease of use.







With ECLOS, the new multislice CT system, Hitachi offers an extremely user- and patient-friendly cross-sectional imaging device.

This scalable multislice CT system features:

Easy operation for the user

- One button-click analysis software selection – fatPointer, riskPointer. Easy and fast!
- Hyper Q-net integrated image viewing station, enabling image evaluations through contemporary, cost-effective IT-networks. More flexibility for less money!
- Hyper Q-net, enabling viewing of additional images and applications on console and viewing station. Additional value free of charge!
- Smooth patient setting thanks to user-programmable, automatic, patient positioning system. Time is money!
- Straightforward patient registration and easy system handling for emergency examinations. Time can save lives!

Care for patients

- Patient friendly low-dose imaging thanks to adaptive mA and Adaptive filter technology. Less exposure means less risk!
- Screening examinations supported by fatPointer or riskPointer with the help of colour analysis imaging. Prevention is better than cure!

Advanced Application Technologies, providing you extra efficiency and ease of image analysis.

riskPointer

· Automatically measures low attenuation areas (CT-detected-emphysema) on low-dose spiral CT images for lung studies among smokers.

fatPointer

· Automatically measures the area of visceral and subcutaneous fat and is effective for visceral obesity examinations.

Perfusion Analysis using CT scan

· Gives information on blood flow dynamics, such as Cerebral Blood Flow (CBF), Cerebral Blood Volume (CBV) and Mean Transit Time (MTT). Additional functions, including Low Dose Filter, Body Moving Correction, MT View and ROI Template, make Eclos perfusion studies safe and reliable.

CEV/CPR – Cruising Eye View/Curved Planar Reconstruction

· Functions to create surface-rendered 3D images from CT image datasets providing the clinician with an "endoscopic" view from inside the human body (virtual endoscopic images). It is suitable for viewing vascular lumen and air-filled organs such as the bronchi and digestive tract.

Automatic 3D-mode selector

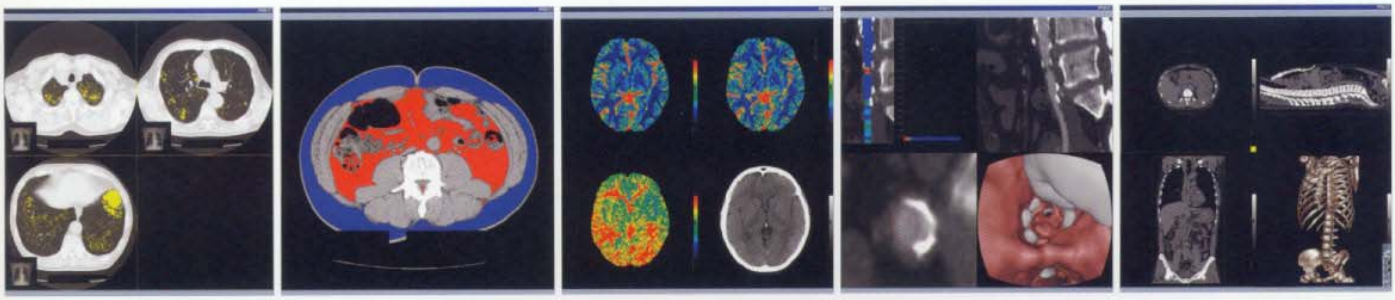
· A function which allows the use of pre-sets for volume or surface reconstruction parameters, multi angle reconstructions and colours prepared for specific organs of the human body.

Bone removal

· An easy to use, time efficient technique for the removal of bones by the seeding method to visualize organs and vessels in 3D-display mode. The combination of automatic multi-angle reconstruction and colour setting makes diagnosis even faster.

Smoothing filter technology

· An automatic recalculation of CT data to enhance the clinically relevant images, smoothing even the smallest slice-to-slice differences. This can be used for a more detailed 3D-visualisation or even on a single bone selection.



For more information about ECLOS, contact your local Hitachi representative.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