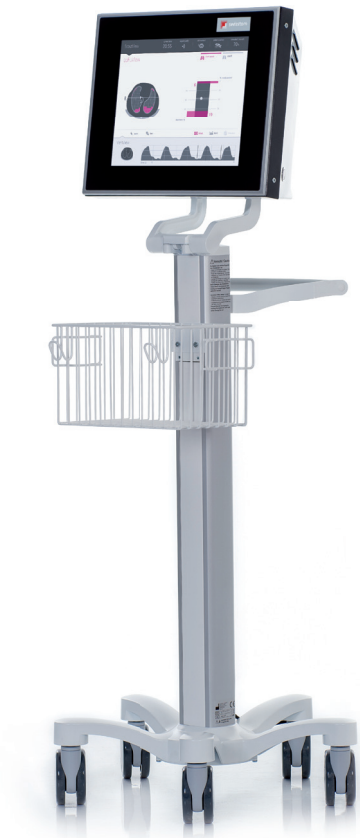




**Your free software for
EIT image analysis!**

Made in Switzerland to manage EIT data
and to foster EIT research worldwide



Analyse and manage your EIT data!

To advance the development of Electrical Impedance Tomography (EIT) in general and to accelerate clinical EIT applications Swisstom provides ibeX, a freely available software tool based on an intuitive graphical user interface. Documentation of your patient's EIT data has never been easier. Following our step-by-step approach you can analyse Swisstom BB² and EIT Pioneer data sets even without any advanced computer skills. Furthermore, ibeX supports the import of data you obtained with other EIT devices. All you need is a converter provided by EIDORS.

ibeX, named after the heraldic animal of the mountainous Swiss canton of the Grisons, is an EIT software tool designed to facilitate analysis of data obtained from clinical and experimental research. Its lean graphical user interface resembles the award-winning design of the Swisstom BB² thereby reducing training requirements for experienced EIT researchers and newcomers alike.

Simply by clicking the user can select the breaths for which several well-established and new EIT parameters are to be calculated. The results can be exported to portable document format (PDF), as a spread sheet (XLS) for further analysis or as video.

ibeX is a free software and can be downloaded from www.swisstom.com/en/products/ibex



The Key Features

- accepts data from Swisstom BB², Pioneer Set and from other EIT devices
- user friendly graphical user interface
- reliable and powerful breath detection
- revocable data selection
- fast, intuitive and reproducible breath-by-breath EIT data analysis
- well-known and new EIT parameters
- optional (adaptive) filter
- optional advanced manually modifiable filters
- choice between different lung contours
- export as PDF, XLS or video

Intended audience

ibeX is designed for physicians, respiratory therapist, other care givers and EIT researchers who would like to explore the EIT data they recorded with Swisstom BB², the EIT Pioneer Set or with other EIT devices.

Intended use

The ibeX is a data analysis software tool intended to calculate, display and export the results of different lung function parameters. This is experimental software which must not be used on humans! ibeX is not a medical device.

System requirements

- operating system: Windows 7 / 8, 64 bit
- other programs:
 - minimum Microsoft Excel 2003
 - minimum Java 1.7
 - Ghostscript

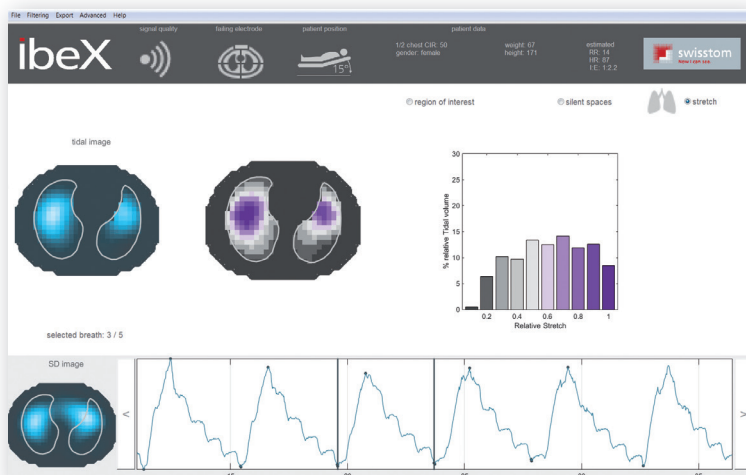


ibeX: Making EIT data analysis fast and simple

Explore your EIT data in an intuitive way. Open your EIT file, select the desired range and analyse it with the various lung function parameters:

- Tidal Image
- Stretch
- Silent Spaces
- Centre of Ventilation
- Region of Interest

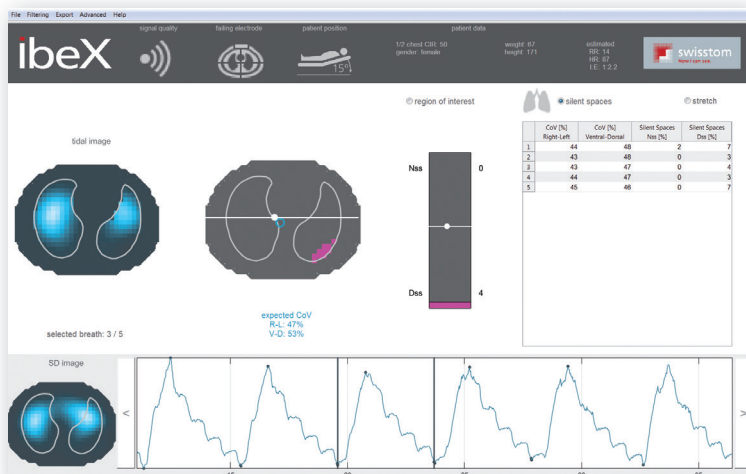
Use the built-in filter or adjust your own one. Save the selected data range as a MAT file for later operations. Export your results in an XLS format for further analysis, as PDF, as video for visual inspection or for use in presentations.



Selected screen shots of the ibeX software

Stretch

Visualizes the spatial distribution of Stretch and its frequency distribution in a bar-chart. Standard Deviation and Tidal images are shown on the left side, providing general information.



Silent Spaces

The expected and the calculated Centres of Ventilation are displayed together with the dependent and non-dependent Silent Spaces as images and in the table.



swisstom
Now I can see.

IBEX PRODUCT INFORMATION



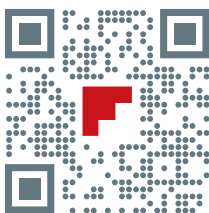
Regions of Interest Analysis

Displays signals from eight Regions of Interest for individual breaths over time and as relative ventilation distributions in a bar-chart.



ISO 13485

Made in Switzerland



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Swisstom AG

Swisstom AG, located in Landquart, Switzerland, develops and manufactures innovative medical devices. Our new lung function monitor enables life-saving treatments for patients in intensive care and during general anesthesia.

Unlike traditional tomography, Swisstom's bedside imaging is based on non-radiating principles: Electrical Impedance Tomography (EIT). To date, no comparable devices can show such regional organ function continuously and in real-time at the patient's bedside.

Swisstom creates its competitive edge by passionate leadership in non-invasive tomography with the goal to improve individual lives and therapies.



1ST500-103, Rev. 001 © Swisstom AG, August 2017 Patents pending

Real-time tomographic images for organ function monitoring and diagnosis

