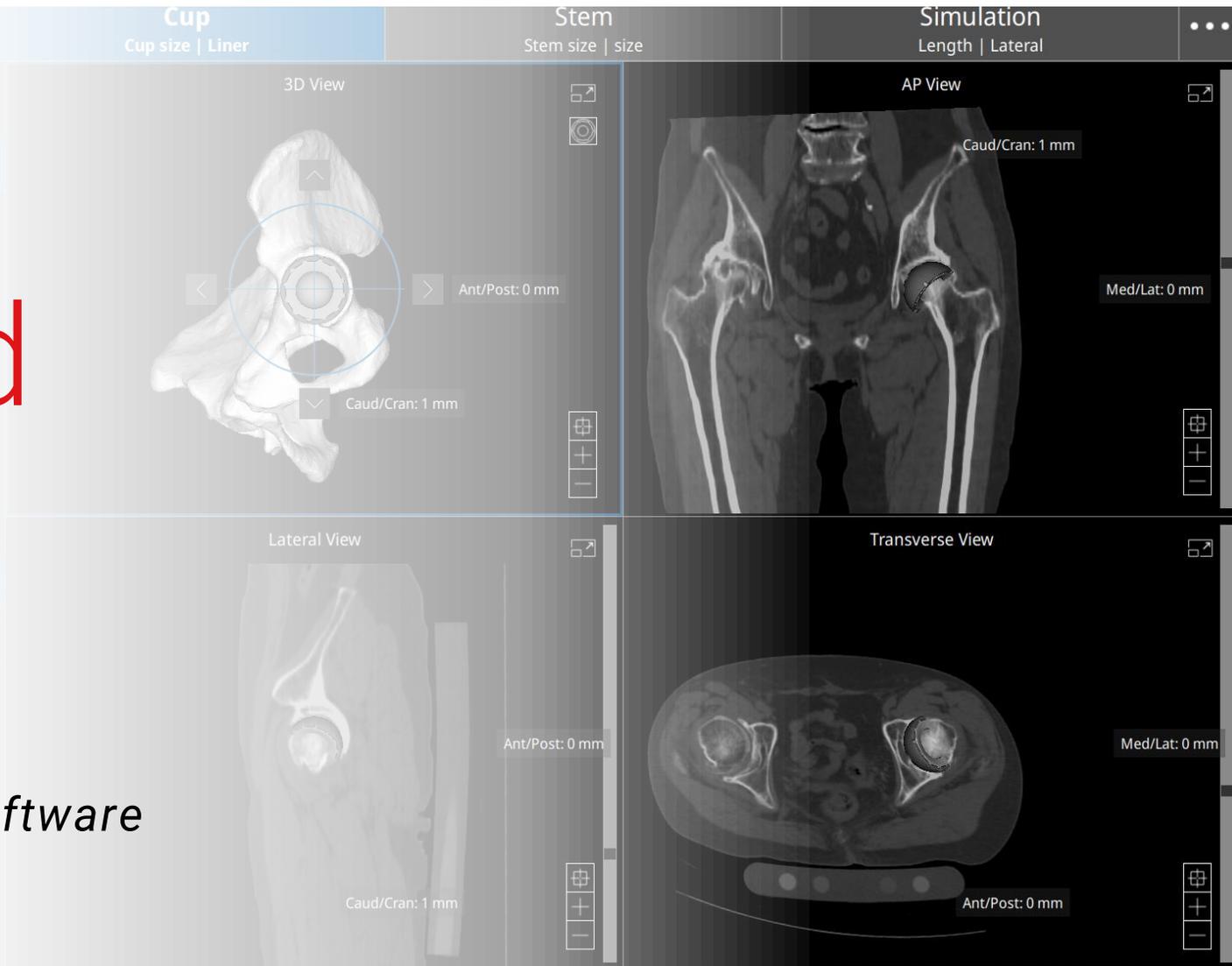


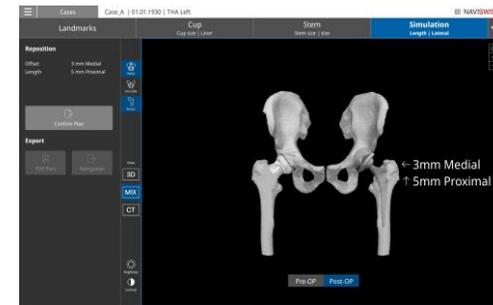
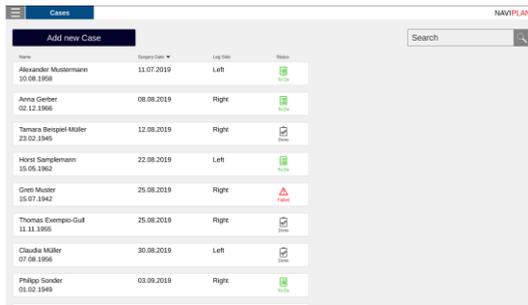
Smart Assisted Surgery

Naviplan Hip
CT-Based Planning Software



CT-BASED TOTAL HIP REPLACEMENT PLANNING

Naviplan is a software which assists in the pre-operative planning of total hip replacement surgery based on three dimensional CT-images (computed tomography). Auto-Planning proposes preliminary implant positions which can later be reviewed and adapted to the patient's individual needs.



LOAD

After loading DICOM data from a CD-ROM or a network location, automatic planning algorithms analyze the CT data, create a 3D model, determine anatomic landmarks and propose implant size, alignment and position.

> PLAN

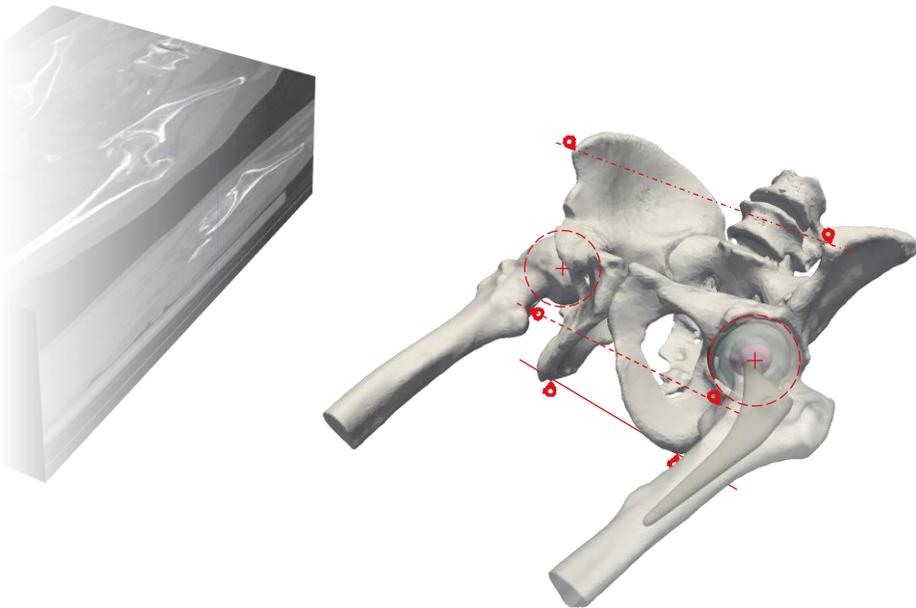
In a second step the user reviews and if necessary, modifies implant sizing, alignment and positioning for both, cup and stem.

> EXPORT

The third step simulates leg length and offset as a result of the planning and exports the plan for intra-operative use. Export formats include PDF for printing and Naviswiss navigation binary for navigation.

AUTO-PLANNING

Naviplan uses advanced algorithms relieving the surgeon from the tedious task of manual segmentation and landmark identification. The surgeon saves time without giving up control.



NAVIGATION

Naviplan supports 3D planning and CT-based navigation with the Naviswiss system



FUTURE-ORIENTED AND INDEPENDENT

Naviplan allows hospitals to position themselves at the cutting edge of science and technology – without being tied to an implant. Naviswiss is internationally active in the important orthopedic markets in the US, Europe, Australia and Japan and has its own subsidiary in the US.

TECHNICAL DATA

Anatomic Area	Pelvis, Proximal Femur	Computer	PC or MAC compatible computer
Planning Parameters	Cup, Liner (position, alignment) Stem, Neck, Head (position, alignment) Neck Resection Leg Length, Offset	Operating System	MAC OS X 10.13 or higher Windows 8, 8.1 or 10 or higher
Import Formats	DICOM, PLY	Processor	1 GHz CPU
Export Formats	PDF, Naviswiss navigation binary	Memory RAM	Minimum 8GB, Recommended 16 GB
User Interface	English	Graphics/Display	Full HD (1920x1080 or higher)
		Internet connection	Not required
		Peripherals	Keyboard & Mouse

 Made in Switzerland

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