

# Technology Assisted Hip Replacement

## Intra-operative Analysis and Digital Templating for Hip Replacement

Actionable, real-time data designed to help increase accuracy and surgical reproducibility, reduce OR time, and improve patient outcomes.



VELYS Hip Navigation

Step 17 of 17: ONETRIAL® Analysis

← Previous STEP MENU Finished →

PREP ANALYSIS

OBJECTS

ANALYSIS

Cup: 54mm  
Stem: Size 12 Std Offset  
Head Length: 1.5

	Std Offset Leg Length, Offset	Coxa Vara Leg Length, Offset
-2	1mm, 1mm	-3mm, 7mm
1	3mm, 3mm	-1mm, 10mm
1.5	4mm, 3mm	-1mm, 10mm
5	6mm, 6mm	1mm, 13mm
8.5	8mm, 8mm	3mm, 16mm
9	9mm, 8mm	4mm, 16mm
12	11mm, 11mm	5mm, 18mm

Offset: Total/Femoral

Analyze New Image

Formerly known as JOINTPOINT® Hip Navigation System



## Innovation in Navigation

### ONETRIAL™ Analysis Efficiency

ONETRIA™ efficiencies combine data with a visual overlay to provide actionable data and the potential to reduce OR time and fluoroscopy usage.

### Next Generation Navigation

Non-invasive navigation with the potential to improve outcomes and reduce surgical outliers.

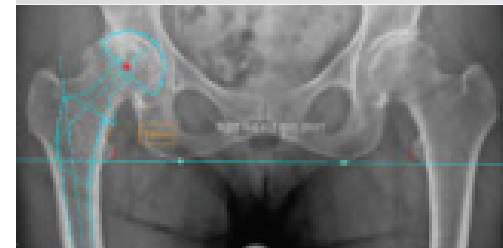
### Surgical Flexibility

Fits seamlessly into existing ANTERIOR ADVANTAGE™ Hip Replacement workflow.

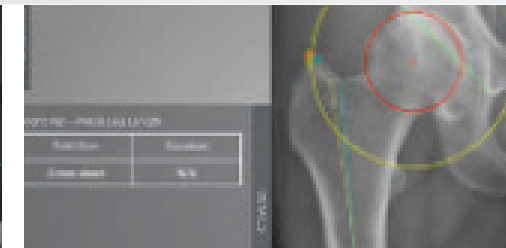
## Pre-op Functionality

Pre-operative planning, analysis, and templating for hips and knees

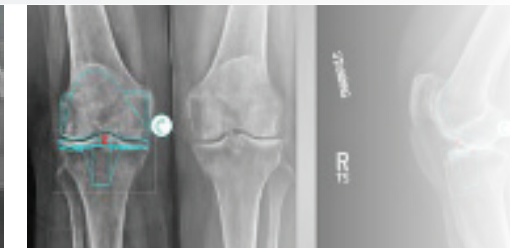
**Hip Templating** provides portability and rescaling technology, allows you to dynamically update or create templates in the OR.



**Innovative Leg Length Analysis** tool incorporates pelvic rotation and femoral positioning.



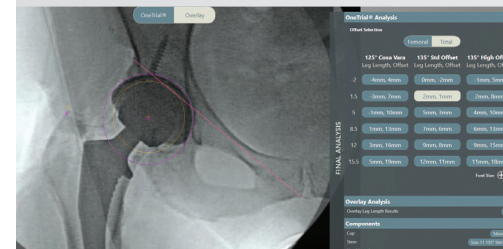
**Knee Templating** capabilities are also available as part of the technology.



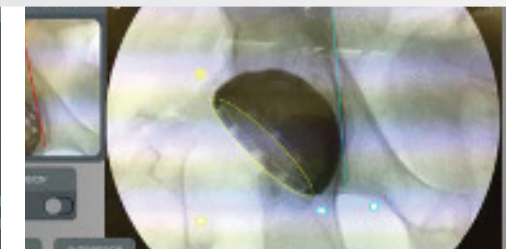
## Intra-op Navigation

Software-enhanced intra-operative feedback and confirmatory implant positioning data prior to closure

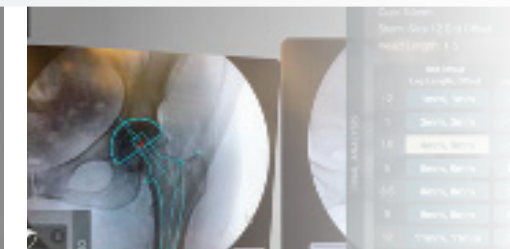
**Intra-operative Offset and Leg Length Analysis** uses intra-operative fluoroscopy to analyze offset and leg length.



**Cup Position Analysis** helps to analyze cup anteversion and abduction angle intra-operatively.



**ONETRIAL™ Analysis** provides optimal implant combination and selection with just two images, potentially reducing retrialing and radiation exposure (reduced use of fluoroscopy) to the surgeon, OR staff, and patient.



## Post-op Follow-up

AP pelvis X-ray confirms intra-operative data analysis

## Fully Integrated Solutions

VELYS™ Hip Navigation is designed to work seamlessly with ANTERIOR ADVANTAGE Hip Replacement Solutions including KINCISE™ Surgical Automated System and ACTIS™ Total Hip System.

# Real-Time Data. A Real Advance in Hip Navigation.

## Intra-operative Analysis and Digital Templating

### Pre-operative Features

- Digital Templating for Hips
- Digital Templating for Knees

### Intra-operative Navigation

- Offset & Leg Length Analysis
- Acetabular Component Position Guidance
- ONETRIAL™ Analysis Provides Optimal Implant Selection
- Template Rescaling

### Communication Tools

- Seamless Collaboration Between Surgeon & Rep
- Streamline Case Planning Using the VELYS Hip Navigation Calendar

### Technical Features

- Cloud-Based Case Management
- No Additional Hardware or Devices Required

### Seamless Compatibility

- ANTERIOR ADVANTAGE Hip Replacement for the Anterior Approach



**Contact your DePuy Synthes sales representative for more information on VELYS Hip Navigation System.**

For full product details and indications for use, please consult the VELYS Hip Navigation User Guide.

©DePuy Synthes 2020. All rights reserved. 132159-200625 DSUS/EMEA