



7D MRVISION™

7D MACHINE-VISION TECHNOLOGY MEETS ADVANCED BONEMRI™ IMAGING TO COMPLETELY ELIMINATE RADIATION FROM SPINAL NAVIGATION
SALES BROCHURE

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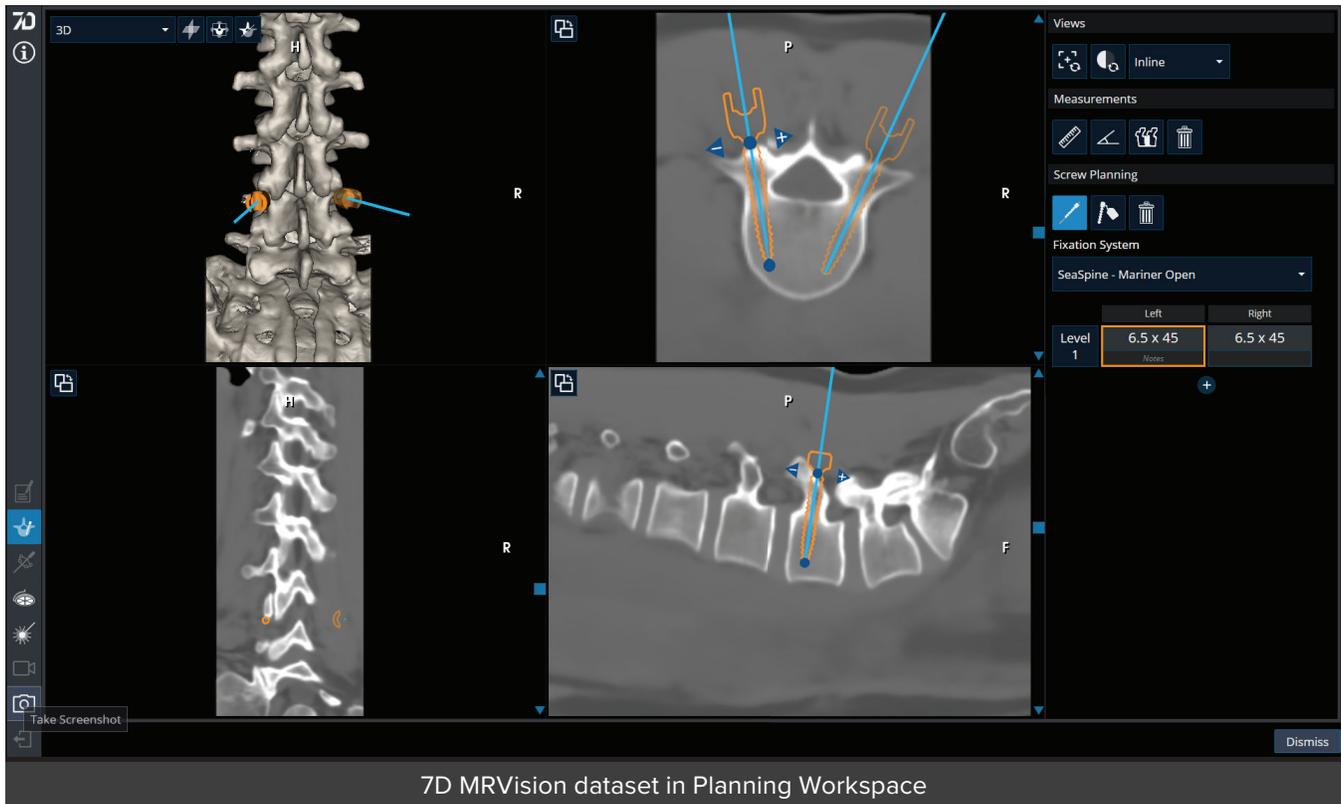
WHAT IS 7D MRVISION™?

7D MRVision™ utilizes MRIguidance's BoneMRI™ software to generate a synthetic CT from an MRI scan that can be used for surgical planning and spinal navigation with the 7D FLASH Navigation System™. 7D MRVision is offered as an annual subscription model, available for current users and new installation sites.

Traditional spine navigation requires a preoperative CT or intraoperative radiation for image acquisition and registration. 7D MRVision is the first and only solution that eliminates radiation from the entire navigation workflow.



The 7D MRVision platform requires a specialized sequence protocol to be installed on the facility or imaging center's MRI scanner. The scan is reformatted via an automated cloud gateway installed within PACS. The site's radiology team will work with MRI Guidance to install the MRI protocol on the scanner, install the cloud gateway within PACS, and verify an initial test scan to ensure all channels are communicating properly. Should a site need assistance with the MRI protocol or cloud gateway, please contact your Enabling Technologies representative.



INNOVATIVE TECHNOLOGIES

- Utilize specialized features of 7D FLASH Navigation with a synthetic CT derived from MRI: segmental registration, implant planning, FLASH Fix, Reslicer, and FLASH Trajectory
- Couple 7D FLASH Navigation's proprietary Machine-Vision Technology with advanced BoneMRI software to remove radiation from the entire navigation workflow



RADIATION-FREE

- No preoperative CT required
- Preoperative MRI requires no radiation
- No intraoperative radiation for registration
- First navigation system in the world to offer a zero-radiation platform



INTEGRATED CLINICAL WORKFLOW

- Simple MRI protocol installation
- Automated cloud solution
- Seamless PACS integration



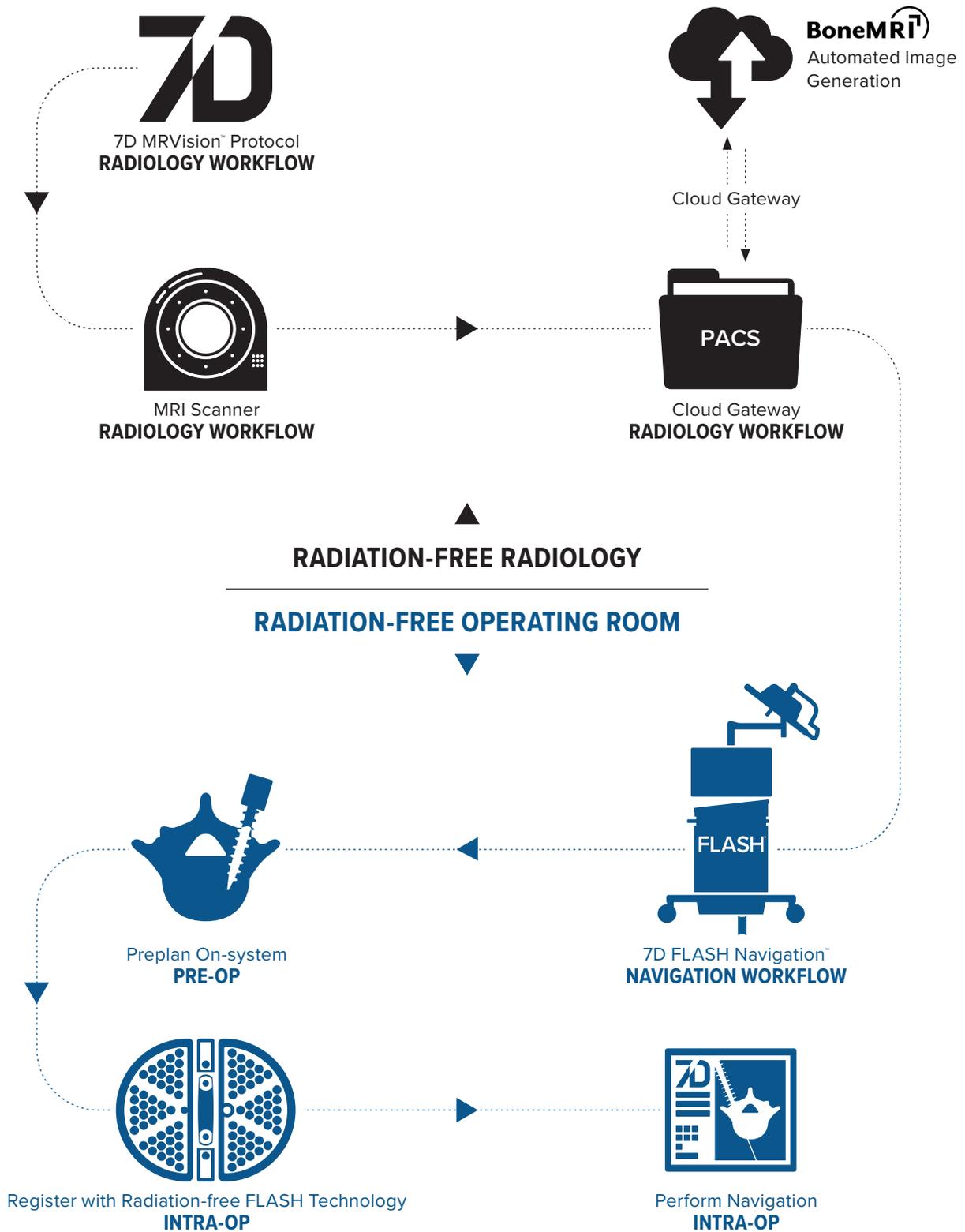
COST-EFFECTIVE

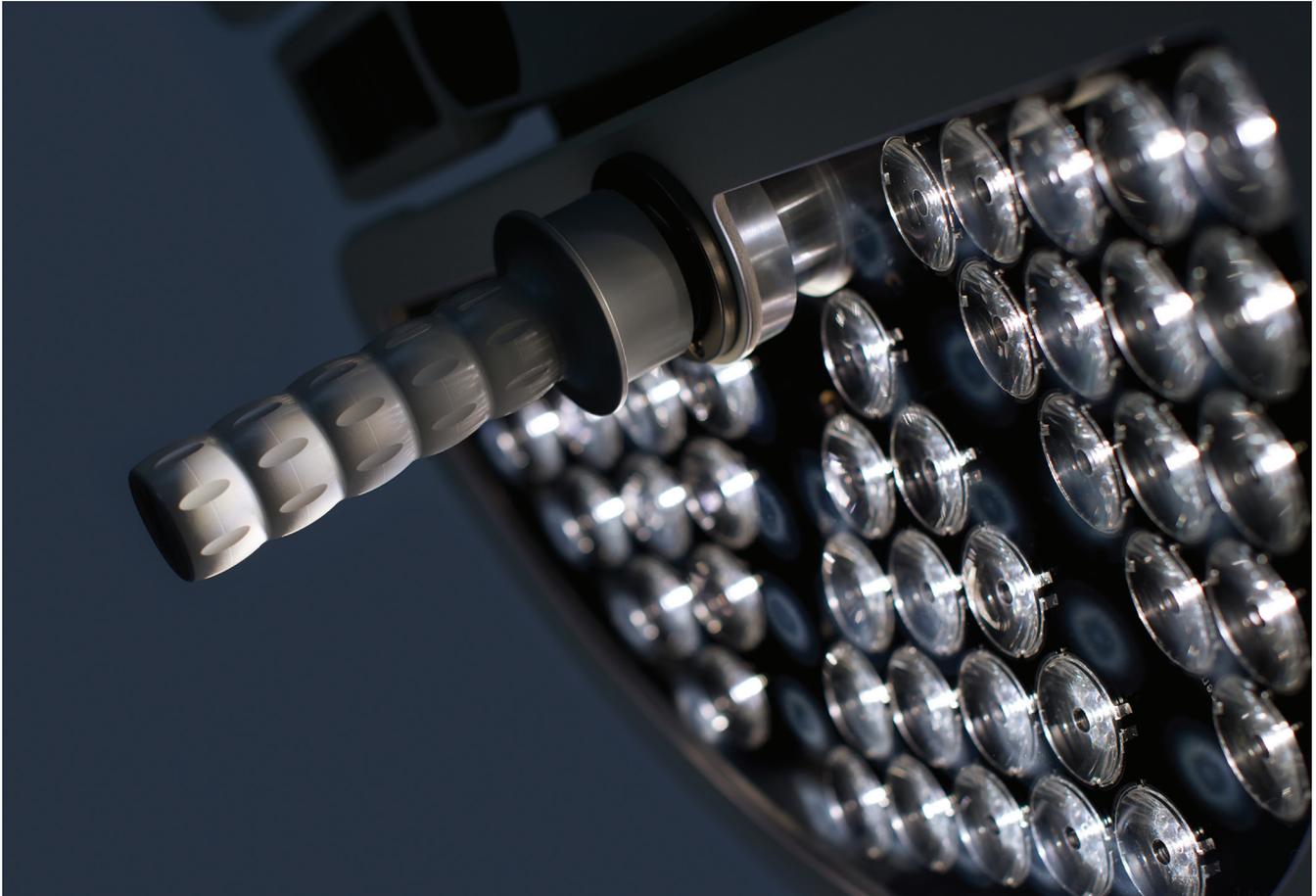
- One preoperative imaging exam
- No extra radiographical exam needed for navigation
- Reduced operating time
- Reduced length of hospital stay

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CLINICAL WORKFLOW





**RETHINK. REIMAGINE. REDEFINE.
THE NEXT GENERATION OF IMAGE-GUIDED NAVIGATION.**

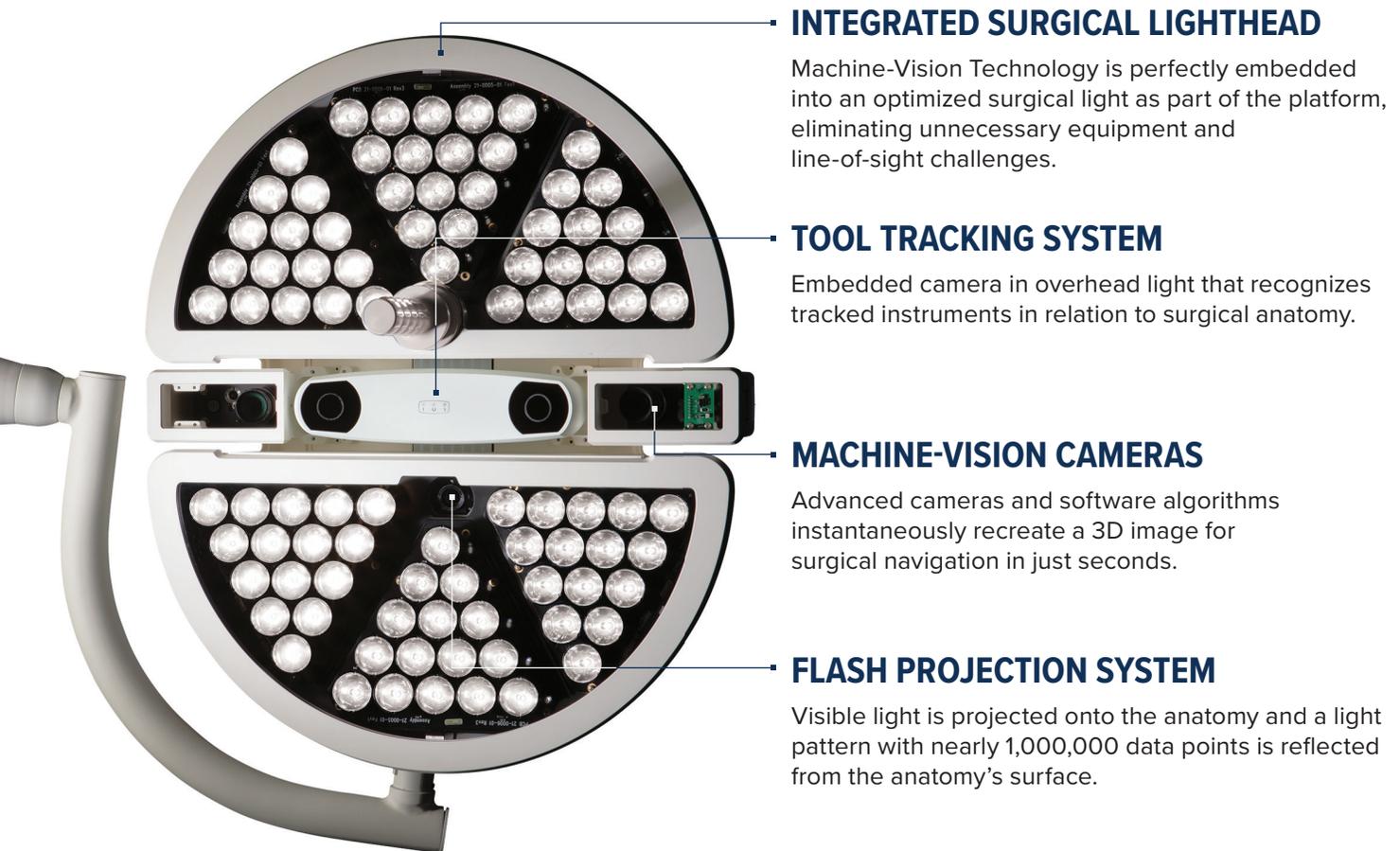
The 7D FLASH Navigation System with proprietary Machine-Vision Technology has redefined image-guided surgery, delivering a navigation platform with unprecedented benefits. Perform fast, efficient, cost-effective, with zero intraoperative radiation and eliminate the long-standing clinical frustrations of traditional navigation systems.

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THE VISION IS CLEAR, MACHINE-VISION TECHNOLOGY

Developed by 7D Surgical, the 7D FLASH Navigation System utilizes Machine-Vision Technology to deliver a registration method in less than 30 seconds. Similar to technology found in self-driving cars, the 7D FLASH Navigation System uses special cameras to quickly analyze surface anatomy using only visible light. This creates a full-color, 3D image reconstruction consisting of nearly 1,000,000 data points used for surgical navigation. This proprietary Machine-Vision Technology allows for the fastest image reconstruction for surgical navigation, all through the flash of a light.



SEE THE SIMPLICITY— FLASH REGISTRATION IN LESS THAN 30 SECONDS.



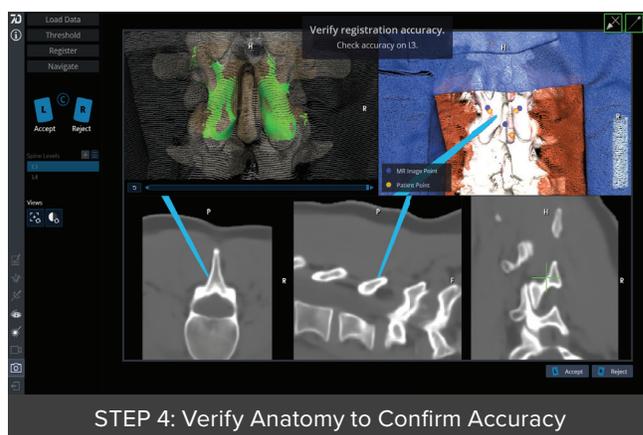
STEP 1: Attach Single-handed Reference Frame



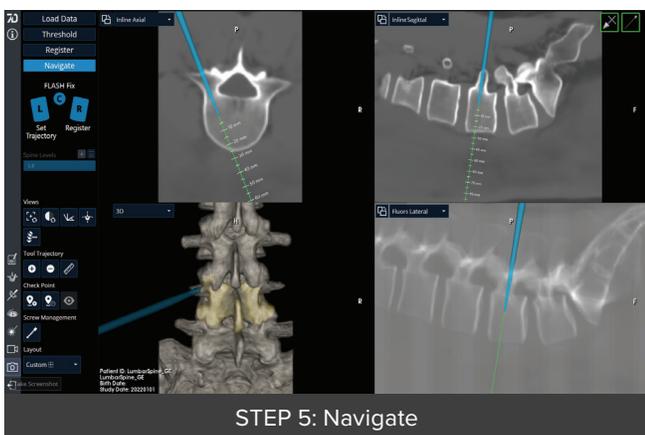
STEP 2: Identify Vertebral Level



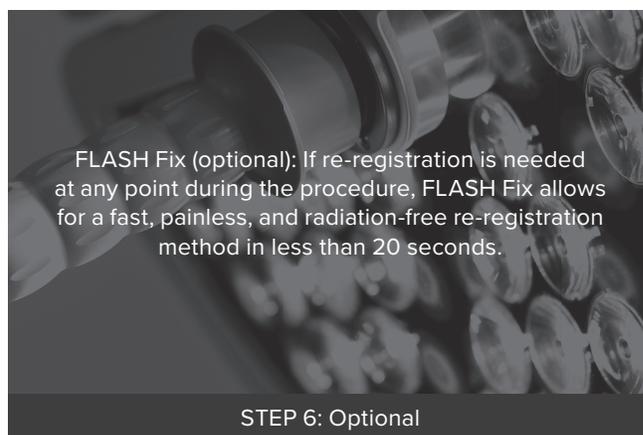
STEP 3: Flash of Light



STEP 4: Verify Anatomy to Confirm Accuracy



STEP 5: Navigate



FLASH Fix (optional): If re-registration is needed at any point during the procedure, FLASH Fix allows for a fast, painless, and radiation-free re-registration method in less than 20 seconds.

STEP 6: Optional

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ADVANCE PATIENT CARE WITH DR. JACOB RUMLEY



“I can now provide my patients a one-hundred percent radiation-free experience from their pre-op exam through the navigation imaging for their spine surgery. The dangers of radiation exposure to patients, hospital staff and surgeons are very real. Technologies like the 7D FLASH Navigation System that enable radiation-free navigation are essential as we continue to advance patient care.”

Jacob Rumley, MD
Center for Spine and Orthopedics, Colorado

For more information about 7D MRVision and 7D FLASH Navigation, scan the QR codes below.



Orthofix.com, Navigation Page
<https://orthofix.com/products/spine-solutions/navigation/>



7D FLASH Navigation Animation
<https://vimeo.com/668389880>

For support, please contact:
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