

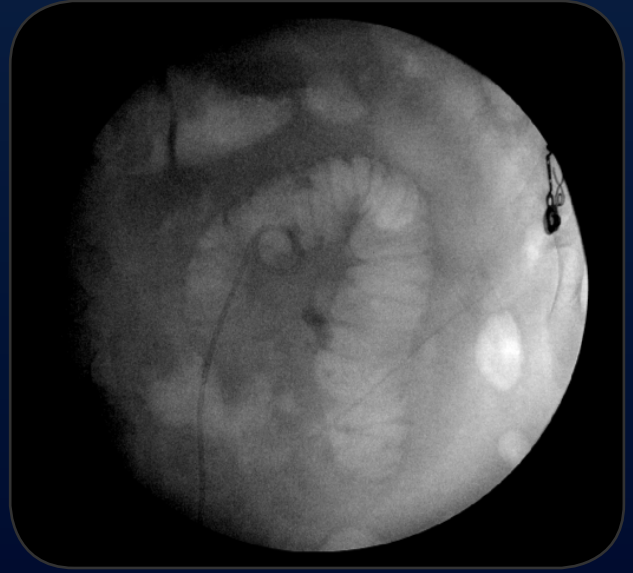


**See the stone.
Break the stone.**

The Only Next-Generation Image Post-Processing
for Stone Treatment and Day-to-Day Urology



Unclear stone fragmentation status



Intestinal gases obscuring the image

How much “guesstimation” do you do?

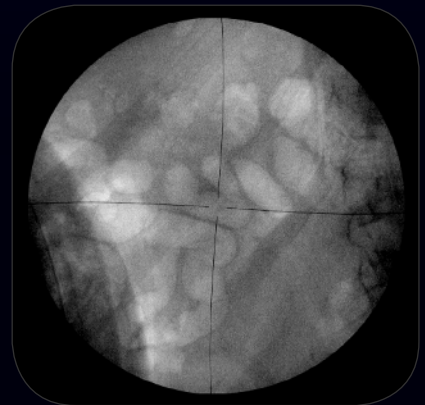
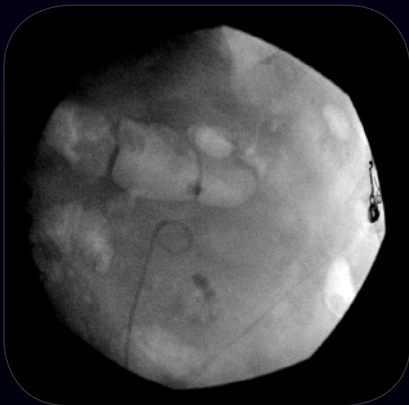
We hate to admit it, but proper stone visualization can be challenging.

Good visualization is crucially important for ESWL:

- During treatment to evaluate the progress of stone fragmentation
- After treatment to evaluate procedure success and follow-up procedures

This is not always easy to achieve; stones vary in size, shape, density. Stones are masked by bone structures, bowel gases. On top of that, difficulties in obtaining proper image contrast and brightness can further obscure stone details.

You also never want to expose the patient to more radiation than necessary.



More examples of unclear imaging



Meet OptiVision.

The only image post-processing software tailored for urology.



Clarity in difficult cases

Obese patients, intestinal gas or bony structure overlays can bring about suboptimal imaging. OptiVision optimizes the image in these difficult clinical scenarios.



Clearer details of stone disintegration to better verify procedure success

Obtain a clear image of stone disintegration after treatment. Good imaging is essential as it further impacts follow-up treatments and diagnosis.



More detail with no additional radiation exposure

OptiVision comes in after the X-ray snapshot is taken, working with the captured image. Thus, OptiVision achieves enhanced imaging without additional radiation exposure.



Balanced presentation of tissue and bone structure

OptiVision is specifically designed for urologists, by urologists. This means that images are intelligently processed to give the urologist optimized visual information.



FOR UROLOGISTS, BY UROLOGISTS

OptiVision is developed in consultation with over 20 leading urologists from various geographies worldwide.



1-CLICK OPERATION

In 1-click, OptiVision automatically minimizes noise while maximizing details.



LAYERED OUTPUT

OptiVision works without overwriting original image data, ensuring a backup option.



BETTER CONTRAST

Recovers detail from very dark and very bright regions.

How OptiVision works

RAW IMAGE

ANALYZE

1

OptiVision using an intelligent algorithm to analyze noise, brightness and contrast level, as well as details in the available image.

DECOMPOSE

2

This acquired image is decomposed into a resolution pyramid with around a dozen layers. Each layer represents a sub-band of spatial frequencies or detail sizes present in the original image.

ENHANCE

3

The intelligent algorithm is applied to just the altered sections of the image without affecting the complete image.

OPTIMIZED!



Seeing is believing.

“OptiVision offers urologists the marked advantage of a snapshot with amazing image quality; demonstrating nearly all the details crucial for treatment outcomes at the end of the procedure.”

The enhanced image quality helps the urologist plan and follow-up with the patient with a high level of confidence.”

Prof. Dr. Kemal Sarica

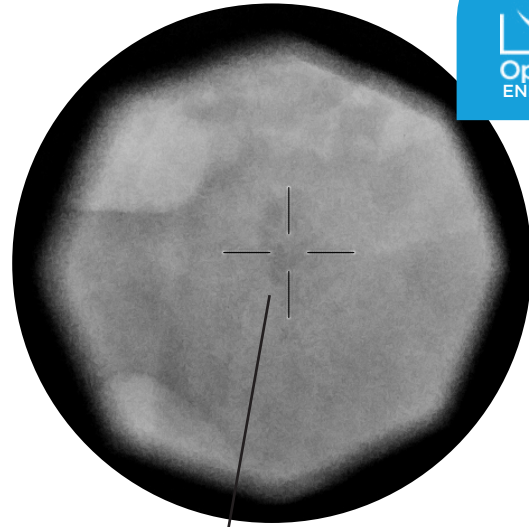
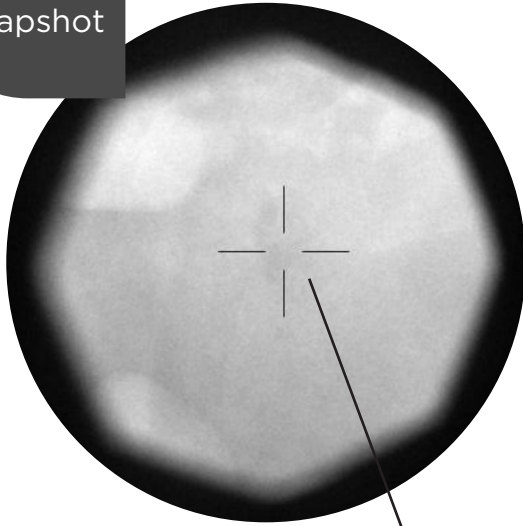
EULIS Chairman,

Co-Chairman of IAU and Urology

Delta III user at Endostone, Medicana Bahçelievler, Istanbul

OptiVision IN ACTION

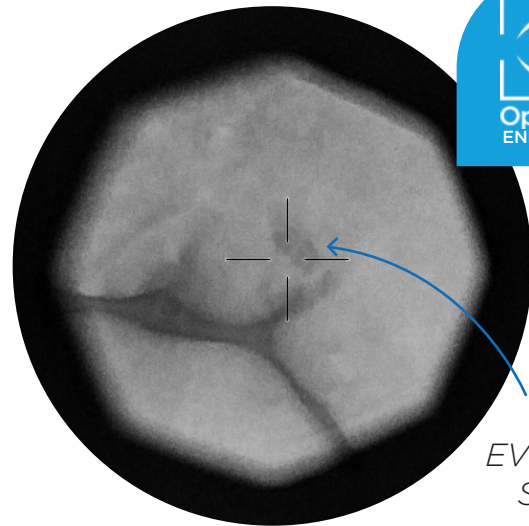
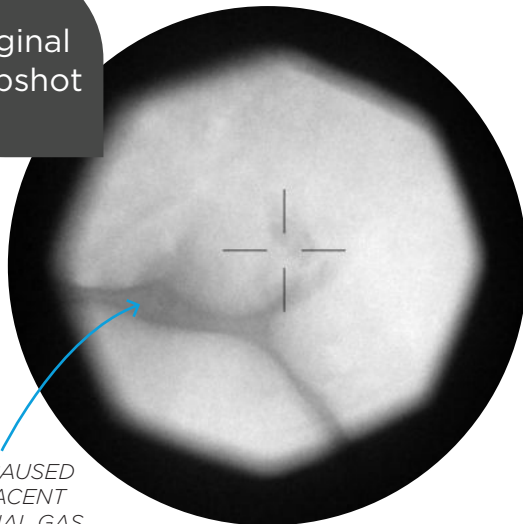
Original Snapshot



Clarity even in obese patients

OptiVision makes the stone more visible

Original Snapshot



MORE EVIDENT STONE

FOLDS CAUSED BY ADJACENT ABDOMINAL GAS



Clarity through abdominal gas

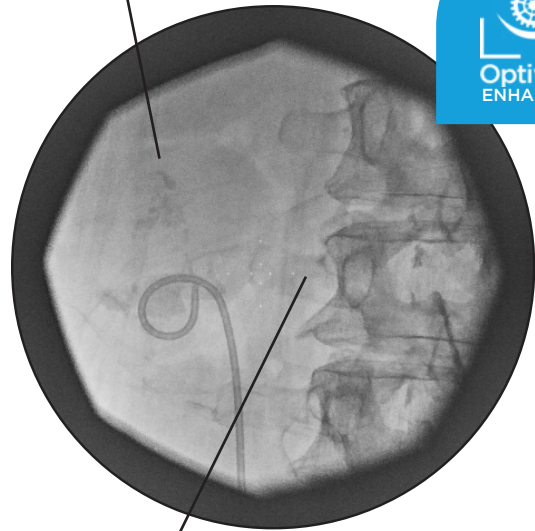
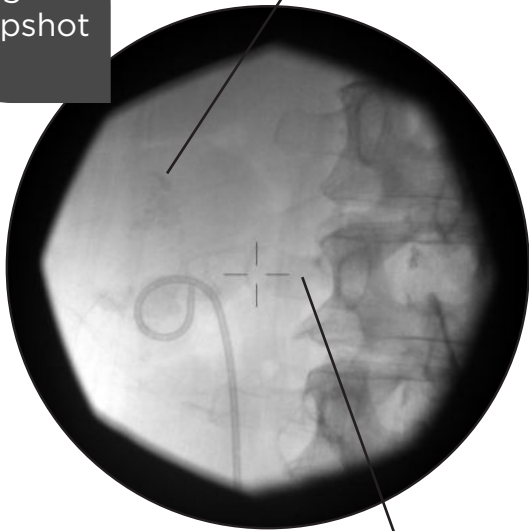
Abdominal gases show up as bright spots on the image. OptiVision offsets the glare caused by abdominal gases for greater clarity.



Better confirmation on fragmentation status

OptiVision reveals a clearer, sharper outline.

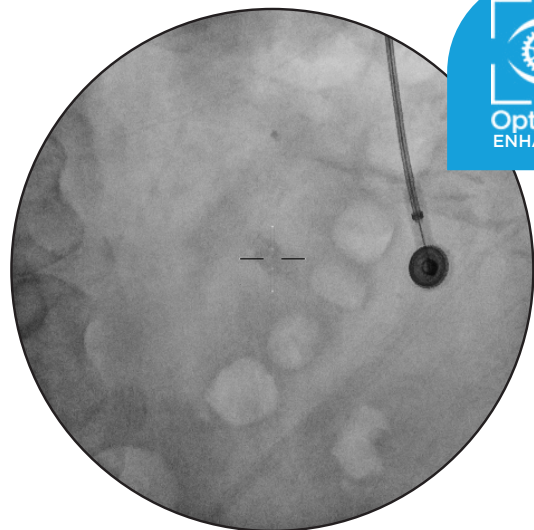
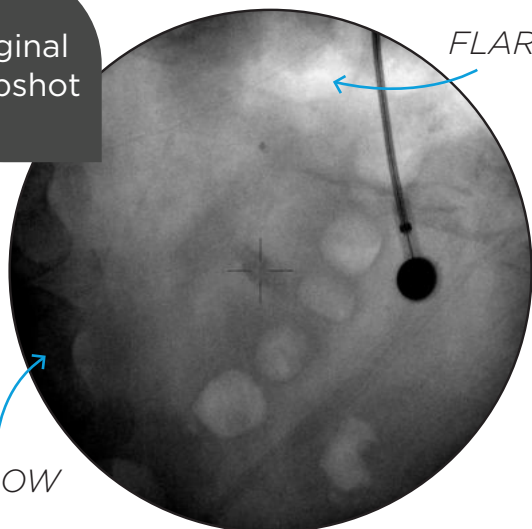
Original Snapshot



Bony structures are more evident

Greater clarity in spotting bony structures that might lay in the path of the shockwaves”

Original Snapshot



Removing unnecessary distractions

The image's dark and light values are flattened to minimize flare and shadow for greater clarity.

OPTIVISION WAS DEVELOPED AND MANUFACTURED BY DORNIER MEDTECH

KNOWN FOR ITS PIONEERING TECHNOLOGIES AND REVOLUTIONARY THERAPIES IN UROLOGY, DORNIER IS LEADING TECHNOLOGY AND IMPROVING LIFE ALL ACROSS THE GLOBE.

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