Dymium

Magnetic Medical Solutions

Dymium develops the first system for **magnetic, residue-free extraction of kidney stones**

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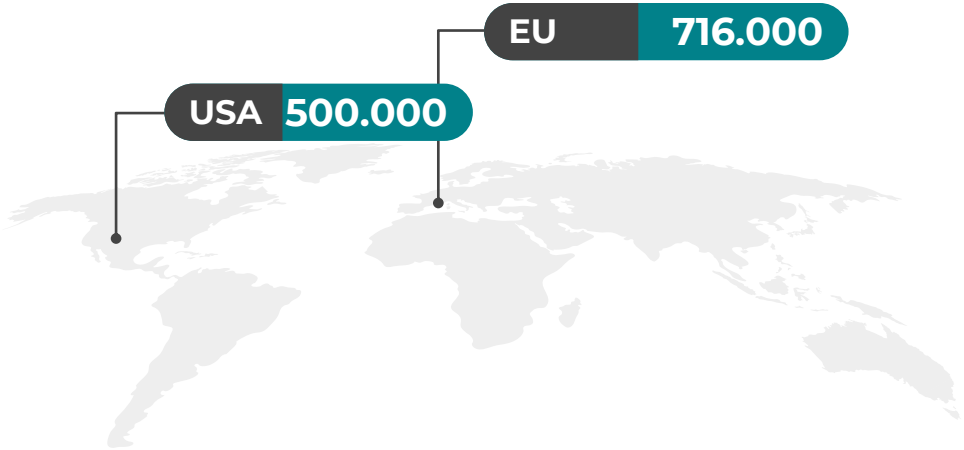
CLINICAL PROBLEM

Urolithiasis – kidney stones disease - is a global healthcare problem with rising incidences. Approximately **1.2 million people** in the EU and US are hospitalized annually due to kidney stones.



Dymium

PATIENTS

0% follow-ups due to residual fragments.

HOSPITALS

The Dymium method is up to **35%** faster

SURGEONS

Game-changing user experience

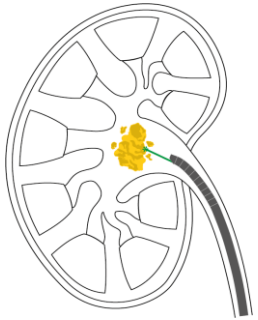
INSURANCES

2.3 billion € savings potential in Europe & US per year

THE SOLUTION

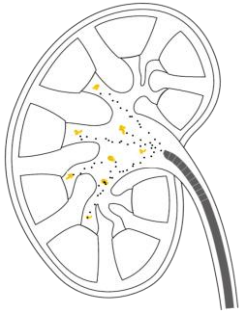
Dymium developed the first-of-its-kind medical system “LithoFree” for the **residue-free removal of kidney stones.** The technology turns kidney stone fragments and dust into magnetizable objects.

1 Fragment



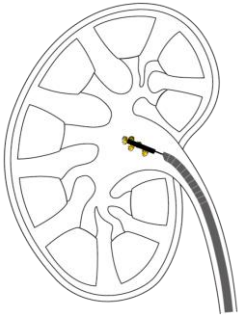
Fragmentation of the kidney stone with a laser fiber

2 Magnetize



A suspension is introduced through the irrigation channel of a ureteroscope to magnetize the fragments

3 Attract and remove



A magnetic instrument is introduced to magnetically attract and remove the fragments

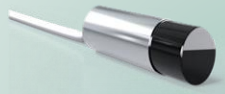
FerroCoat

Risk class IIb

To magnetize kidney stone fragments

FerroProbe

Risk class Is



Surgical instrument for collecting the fragments