

SURGICAL NEEDLE DETECTOR

A SURGEON'S TOOL FOR LOCATING LOST NEEDLES

PROBLEM: LOSING SURGICAL NEEDLES

Expensive time
loss during surgery

Unnecessary
patient x-ray
exposure



Prolonged
anesthesia
time

Risk of a Retained
Surgical Item (RSI)

Damaging hospital/professional
reputation and possible litigation

POTENTIAL MARKET

9,000,000

inpatient surgeries per year

17,400,000

outpatient surgeries per year

3,000

major surgery centers in U.S.

2 x-rays

per week for lost needles

= 312,000

lost needle events requiring
x-ray every year

NEXT STEPS

Commencing Animal Clinical
Trials, November 2016

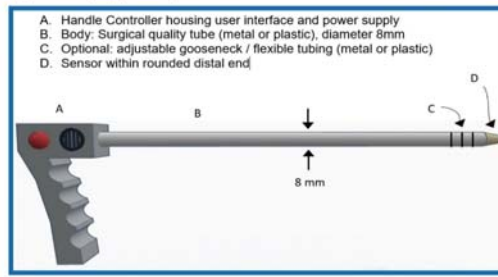
SOLUTION: THE MELZI NEEDLE DETECTOR

Offering surgeons the
necessary autonomy
to rapidly locate lost
surgical needles

Robotic Surgery Model



Open Cavity/Laparoscopic Model



IP STATUS

USPTO Patent Applied for
#62/346,392
Filing Date: 6/6/2016

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