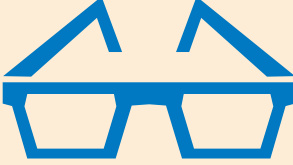


ROBOT-ASSISTED SURGERY

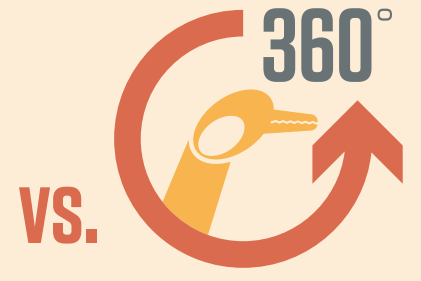
Advantages of surgical robots



10X in **3D**
Magnification 



Average rotational range of human hand




Rotational range of da Vinci® robot "arm"

Our surgeons have performed more than

4,000 **ROBOTIC SURGERIES** SINCE 2004.



332 surgeons trained in RAS at Roswell Park representing **14** countries 

Roswell Park surgeons perform robotic procedures for more than

20



different gastrointestinal, genitourinary, head and neck, lung and gynecologic cancers.

Roswell Park is a world leader in the number of robotic cystectomies (removal of the bladder), with nearly

500 **surgeries performed.** 



23

surgeons at RPCI perform robotic procedures.

Training Future Generations of Surgeons



197 high school students

from Buffalo and Detroit have competed in the **JUNIOR ROBOTIC SURGERY CHALLENGE** over the past 3 years.

A Series of Firsts

1st

dedicated training, research and development center for surgical innovations at



1st



video-based textbook about robot-assisted surgery

Co-invented by Roswell Park and the University at Buffalo, The RoSS™ (Robotic Surgery Simulator) was one of the

1st

surgical simulators for robot-assisted surgery.

