

# ROBOTIC SURGERY UNIT

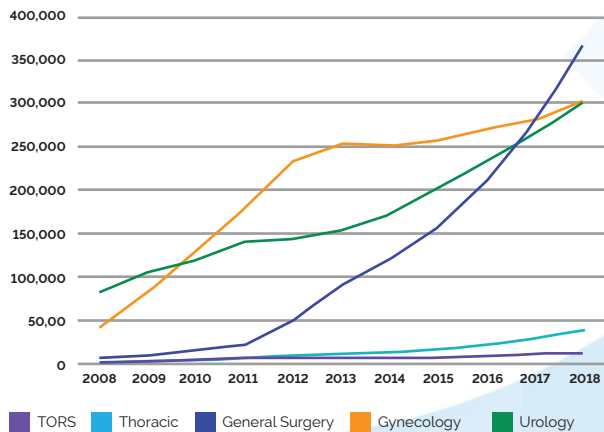


## UROLOGY

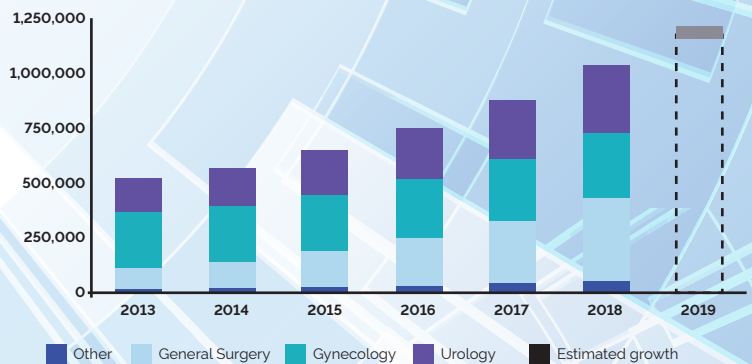
In Europe urology is the specialty guides da Vinci robotic surgery dissemination with more than 60.000 procedures in 2015

### Growth in procedure categories

Global over past 10 years



### Worldwide procedure trend



## Da Vinci Xi technology for urology

Revolutionary anatomic access



3D HD magnified vision



ENDOWRIST instrumentation with INTUITIVE movement



Improved ergonomics





In 2018 there were more than:

**1500**

Peer reviewed articles published

**1.000.000**

Procedures performed

**900**

Da Vinci systems placed

**6.000.000**

Procedures performed to date

## Da Vinci robotic surgery advantages

### PROSTATECTOMY

One of the main advantages of the robotic radical prostatectomy is the early recover of the post-operative urinary continence and the erectile fuction compared with other techniques.

#### Prostatectomy <sup>1</sup>

Medicare Sample EE.UU., n°=78.232 compared with C. Open

<b>Hospitalization</b>	- 2,2 días
<b>Problems</b>	- 34%
<b>Transfusions</b>	- 85%

#### Prostatectomy <sup>2</sup>

Positive margins

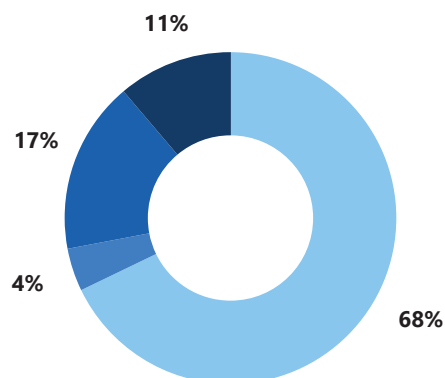
<b>Open surgery</b>	24,2%
<b>Laparoscopy</b>	20,4%
<b>da Vinci</b>	16,2%

#### Bibliography:

1. Kowalczyk KJ, Levy JM, Caplan CF, Lipsitz SR, Yu HY, Gu X, Hu JC. Temporal National Trends of Minimally Invasive and Retropubic Radical Prostatectomy Outcomes from 2003 to 2007: Results from the 100% Medicare Sample; Eur Urol. 21 de diciembre de 2011.

2. Tewari et al. Positive surgical margin and perioperative complication rates of primary surgical treatments for prostate cancer, a systematic review and meta-analysis comparing retropubic, laparoscopic, and robotic prostatectomy. Eur Urol. Julio de 2012; 62(1):1-15.

### KIDNEY SURGERY



- Biased nephrectomy
- Nephrectomy
- Pyeloplasty
- Kidney transplant

### The advantages of da Vinci robotic surgery

According to international guidelines, in case of kidney tumor, the strategical philosophy consists in offering a conversational surgery <<nephron-sparing>> in all cases that are possible technical and oncological manner. Thanks to technology help, da Vinci achieves to expand this kind of surgery up to the treatment of difficult cases