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# Patterns of Care for Brachytherapy (PCB): a survey of the ESTRO

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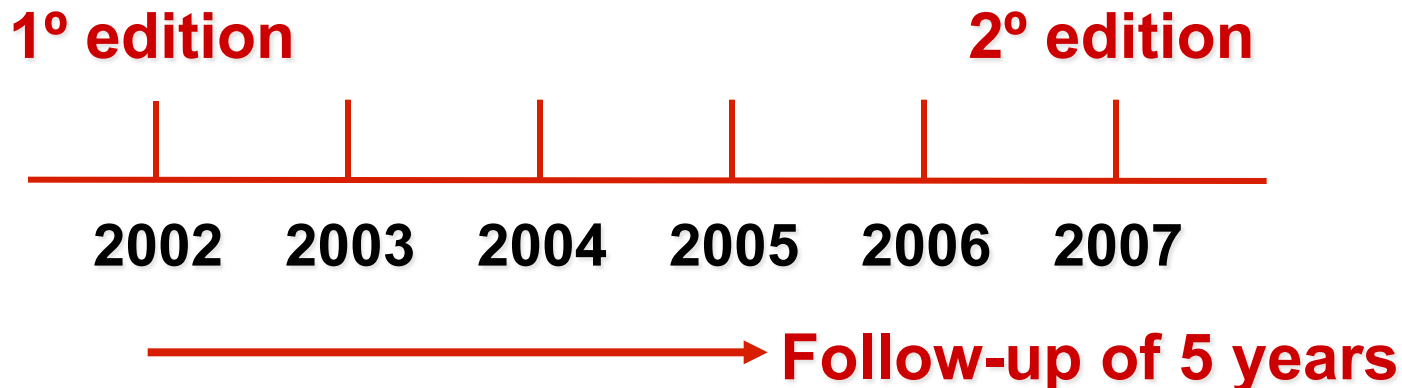
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<sup>^</sup>Universidad de Barcelona (UB)



## Introduction (I) - Survey

- ❖ Patterns of Care for Brachytherapy in Europe (PCBE)
- ❖ Launched by the GEC-ESTRO steering committee to investigate the use of brachytherapy in Europe.
- ❖ To create a detailed information system on brachytherapy practices and resources throughout European Union and to monitor changes over time.



- ❖ **Online.** To facilitate participation (<http://pcb.estro.be>).

# Introduction (II) - Editions



1° edition

2° edition

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✓ European area

- ✓ European area
- ✓ Latin America
- ✓ Australia
- ✓ New Zealand

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✓ Online general questionnaire

- ✓ With specific questions on:
  - ✓ Gynaecology
  - ✓ Prostate
  - ✓ Breast
  - ✓ Lung

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**New name: Patterns of Care for Brachytherapy (PCB)**

# Introduction (III) - Website



Estro QGen Login - Microsoft Internet Explorer

Archivo Edición Ver Favoritos Herramientas Ayuda

Atrás Búsqueda Favoritos Ir Vinculos

Dirección <http://pcb.estro.be/login.php>

**ESTRO** European Society For Therapeutic Radiology And Oncology

**Login**  
Online Surveys

Language selection:

Login:

Password:

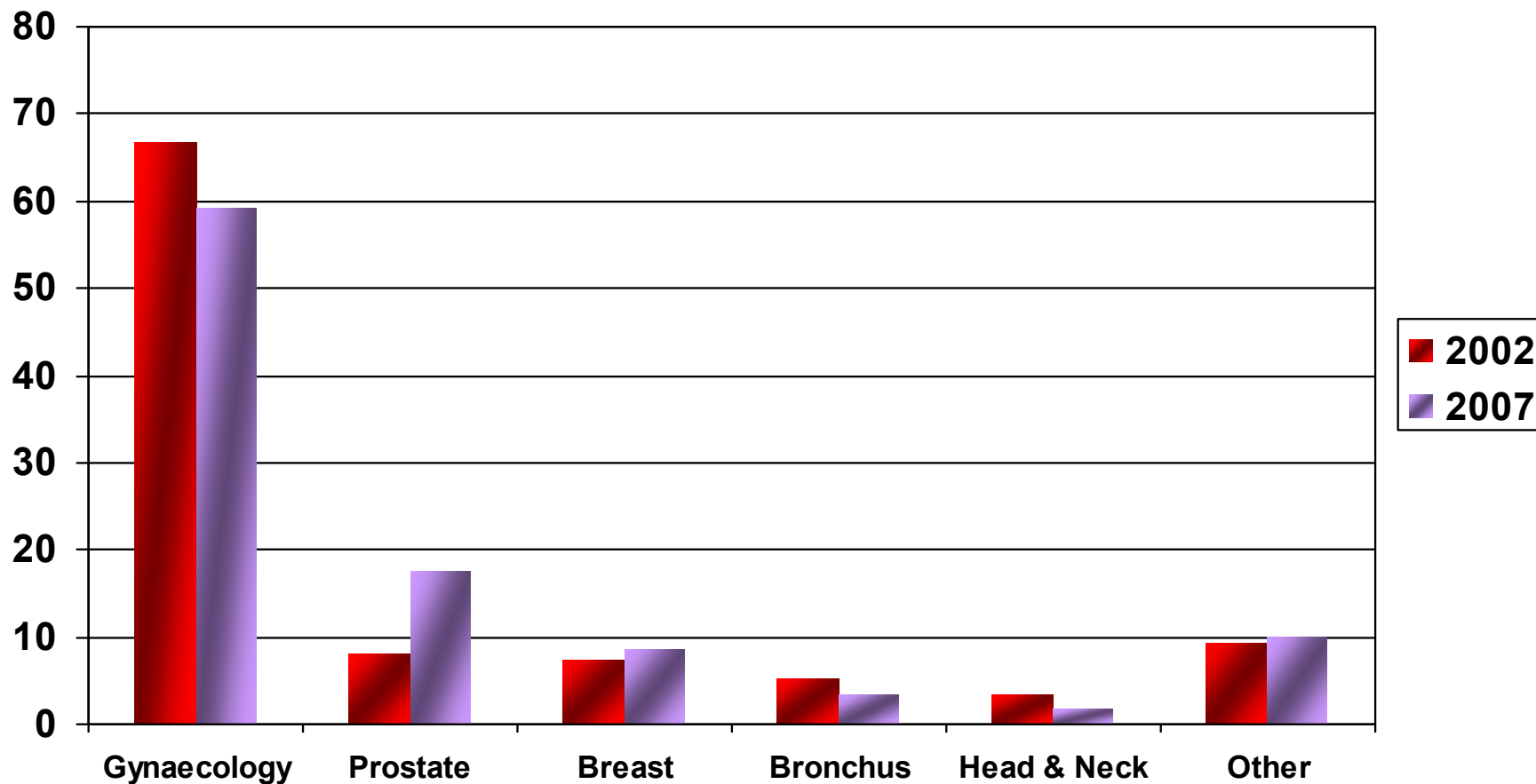
Remember Login and password.

[Password forgotten ?](#)

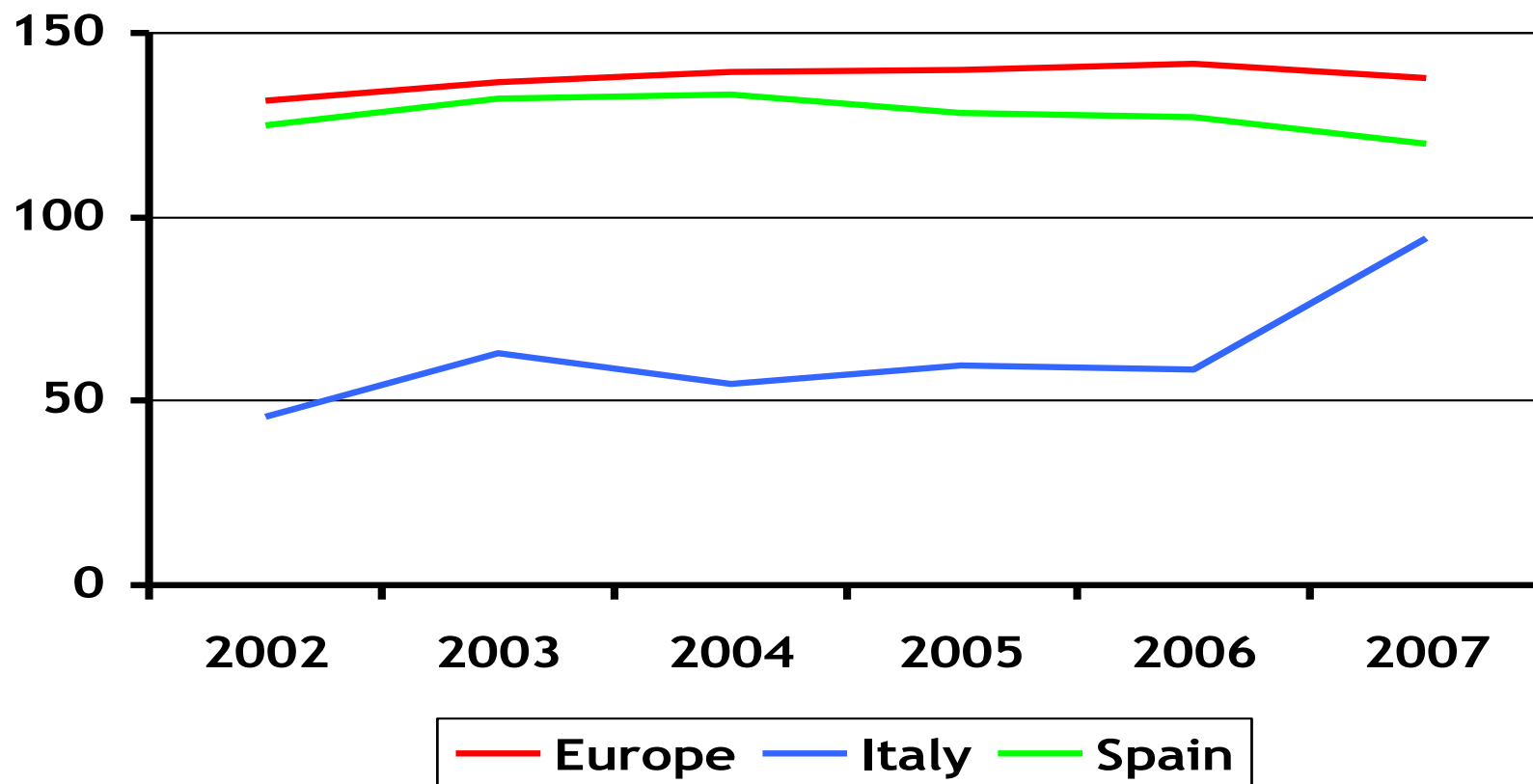
It could be completed in English, French, and Spanish

To guarantee privacy and protection of data

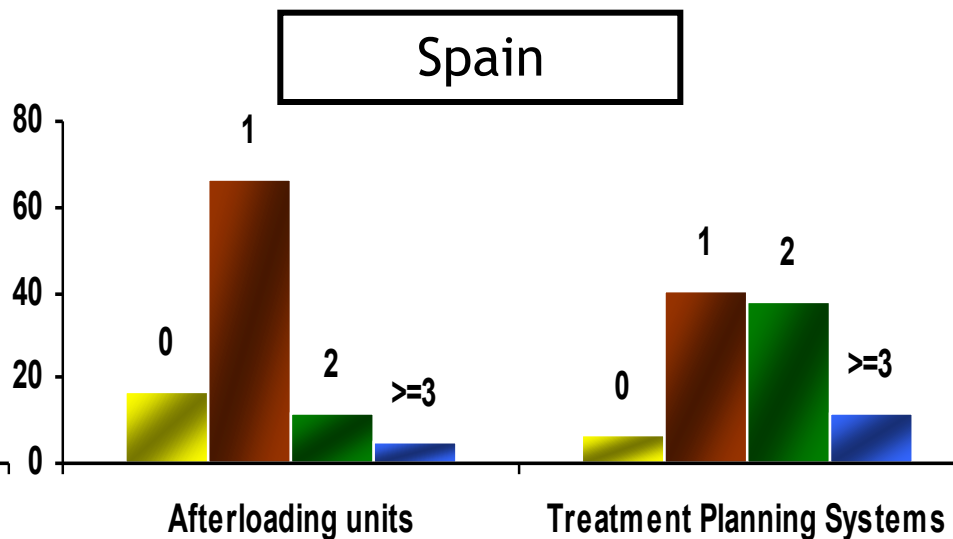
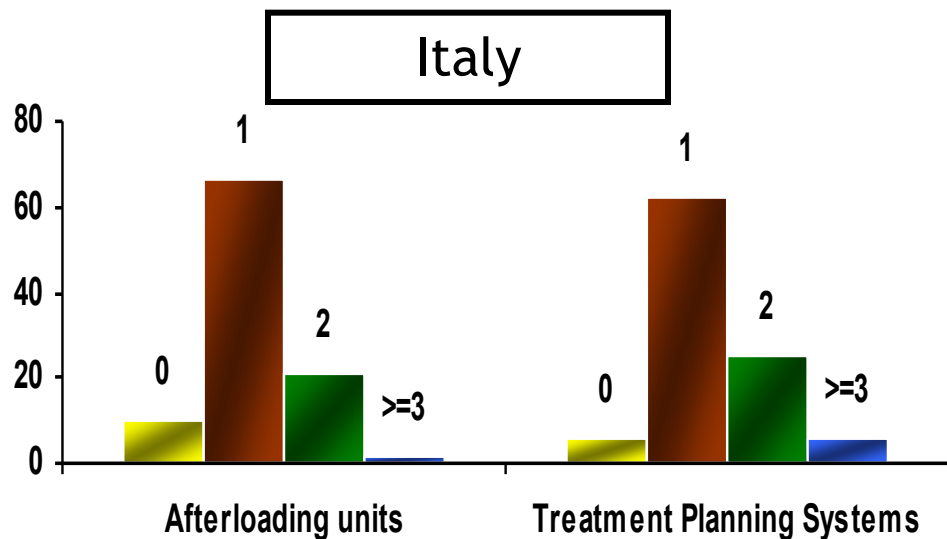
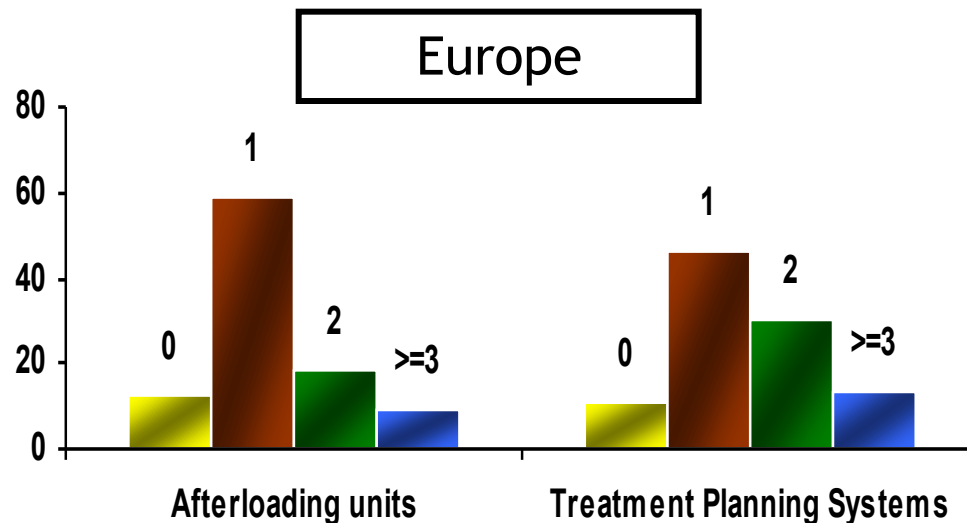
# General information (I) – Tumor sites



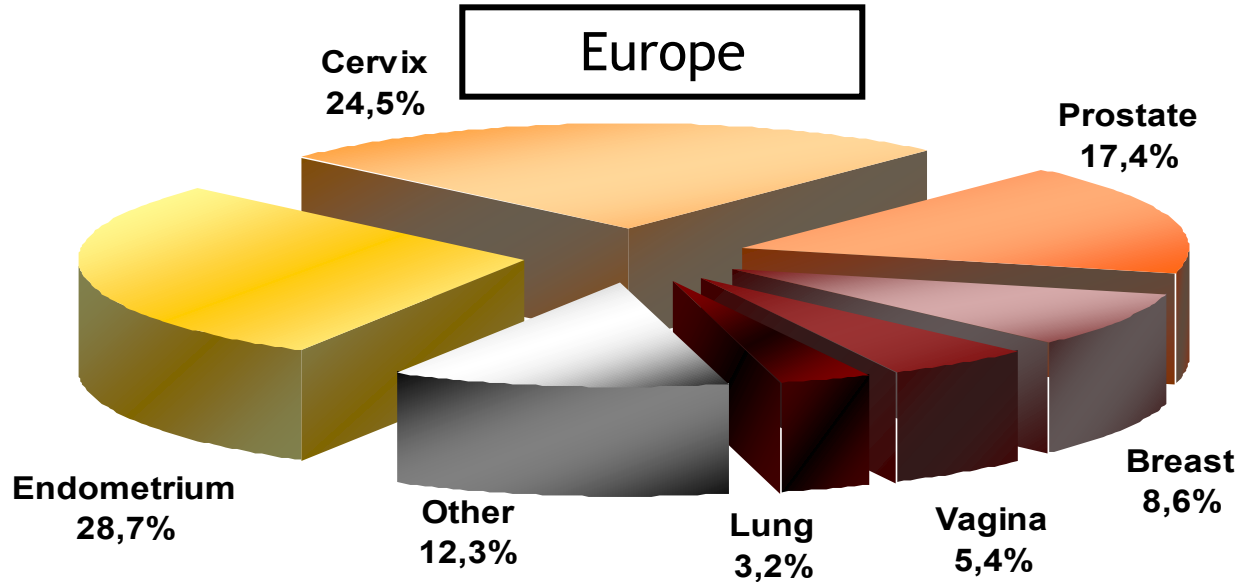
# General information (II) – BQT patients



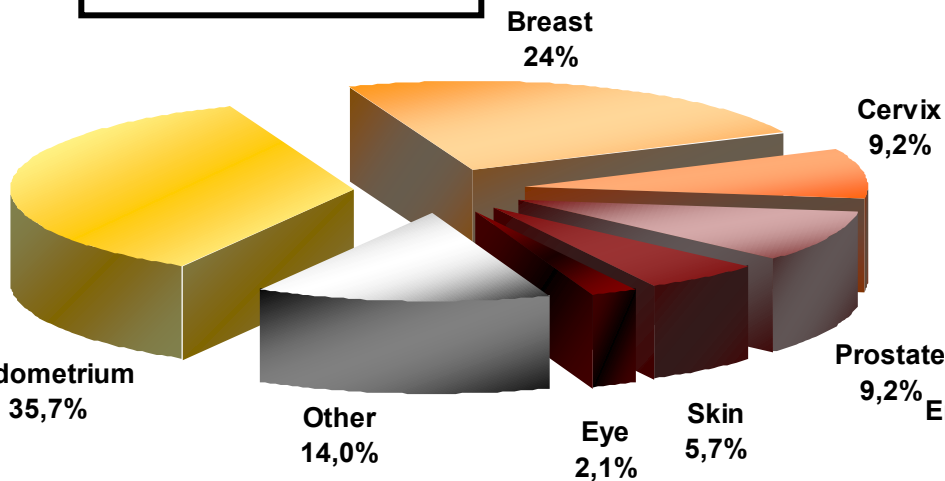
# General information (III) – Afterloading units + TPS



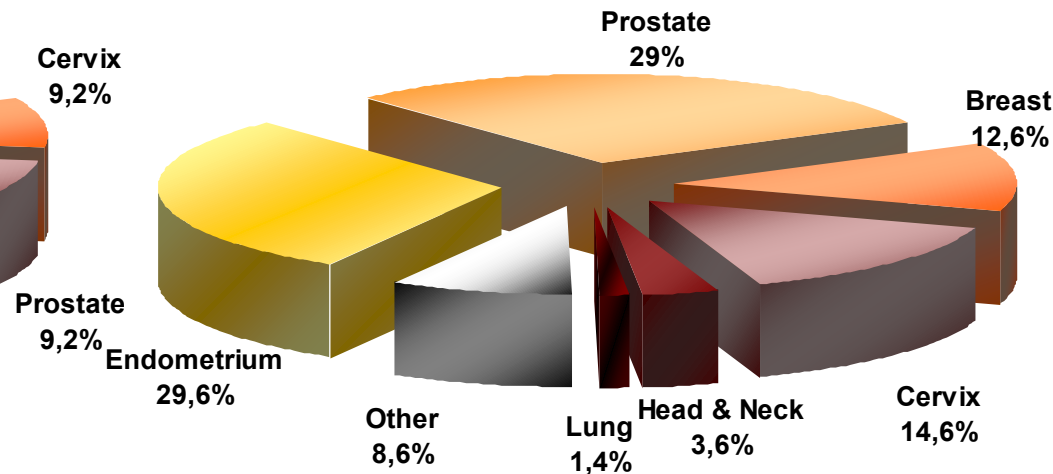
# General information (IV) – Most common tumor sites



### Italy



### Spain

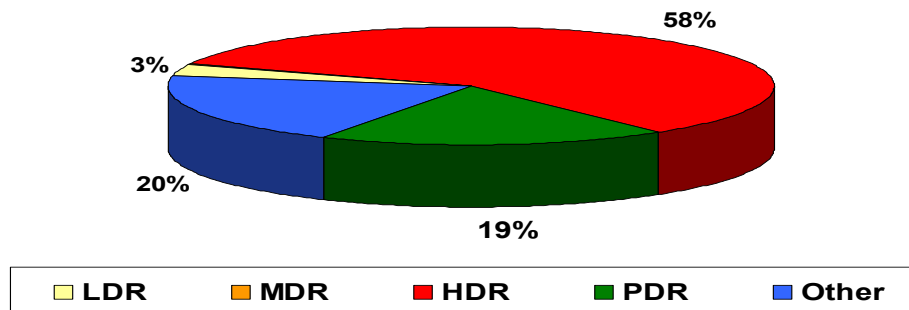




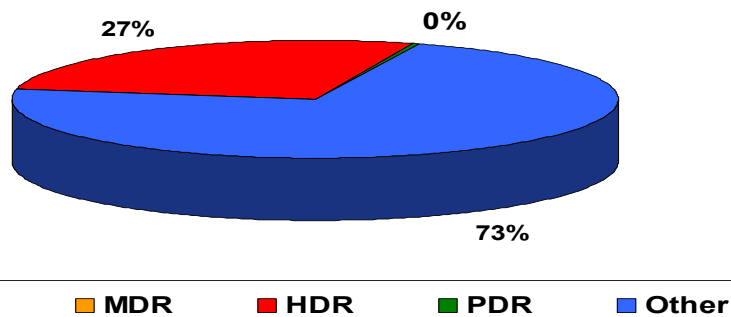
# General information (V) - Breast



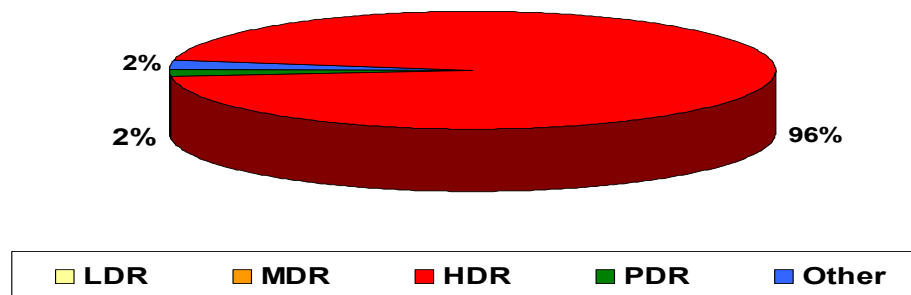
Europe



Italy



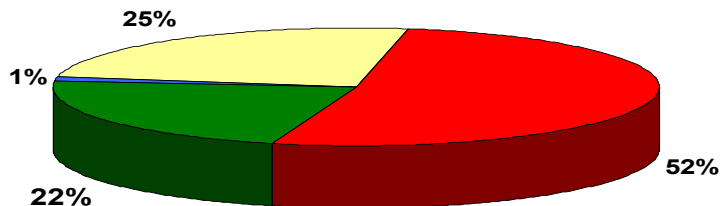
Spain



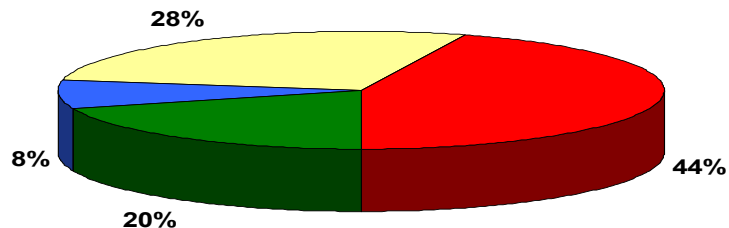
# General information (VI) – Head & Neck



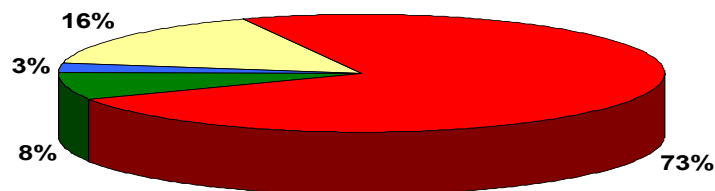
Europe



Italy



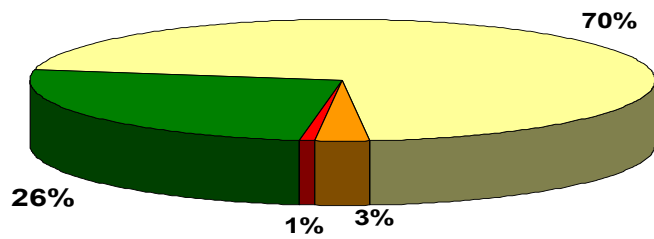
Spain



# General information (VII) – Prostate

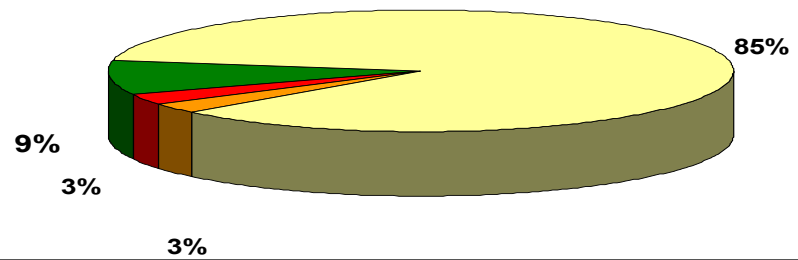


Europe



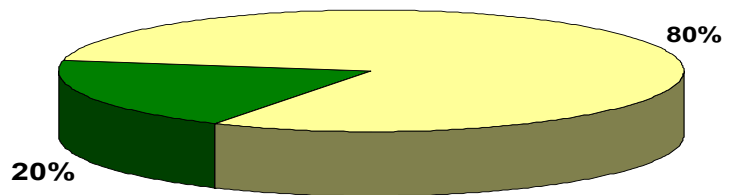
125I 192Ir (LDR - PDR) Other seeds 192Ir (HDR)

Italy



125I 192Ir (LDR - PDR) Other seeds 192Ir (HDR)

Spain

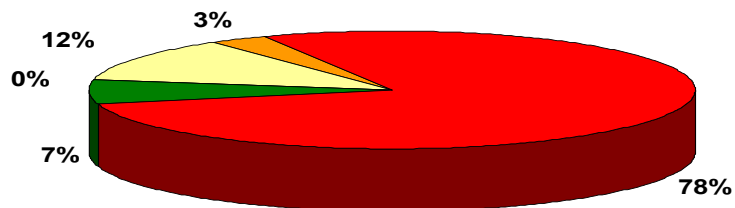


125I 192Ir (LDR - PDR) Other seeds 192Ir (HDR)

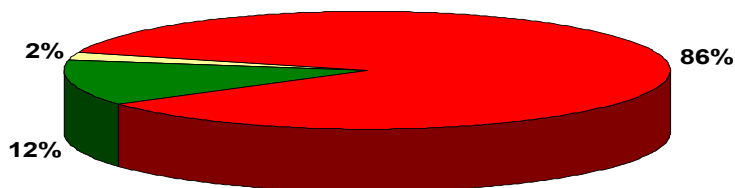
# General information (VIII) – Gynaecological



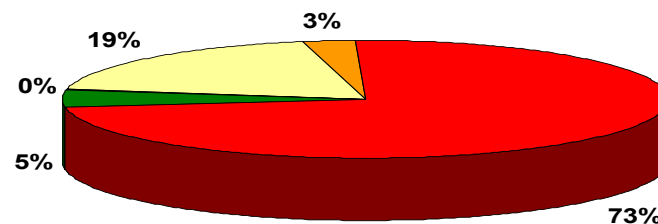
Europe



Italy



Spain



# Conclusions (I)



- ❖ The most common tumor sites are the same in both years.
- ❖ Gynaecology BQT is still the most common indication, although its growth has decreased.
- ❖ Prostate BQT has the biggest increase from 2002 to 2007.
- ❖ Breast shown an increase whereas it was observed a decrease in Head & Neck in 2002 and 2007.
- ❖ HDR BQT is the most common technique chosen in both years, although the increase in 2007 is bigger (51.4% vs. 64.7%).
- ❖ PDR is also on the rise.
- ❖ LDR technique has experience an important decrease.

## Conclusions (II)



For more information, please read our papers:

**Guedea F, Venselaar J, Hoskin P, Hellebust TP, Peiffert D, Londres B, et al. Patterns of care for brachytherapy in Europe: updated results. Radiother Oncol. 2010 Dec; 97(3):514-20.**

**Guedea F, Ventura M, Londres B, Pinillos L, Poitevin A, et al. Overview of brachytherapy resources in Latin America: a patterns-of-care survey. Brachytherapy. 2011 Sep-Oct;10(5):363-8.**

# Open Questions



- ❖ Why is so low prostate brachytherapy in Italy?
- ❖ Why is so high breast in Italy?