



The Romanian Arthroplasty Register. Summary findings on ACL/PCL Reconstruction Register

- 2017 -



Ligament Reconstruction. Summary findings.

1. Recorded data on Ligament Reconstruction. RNE data vs. CNAS

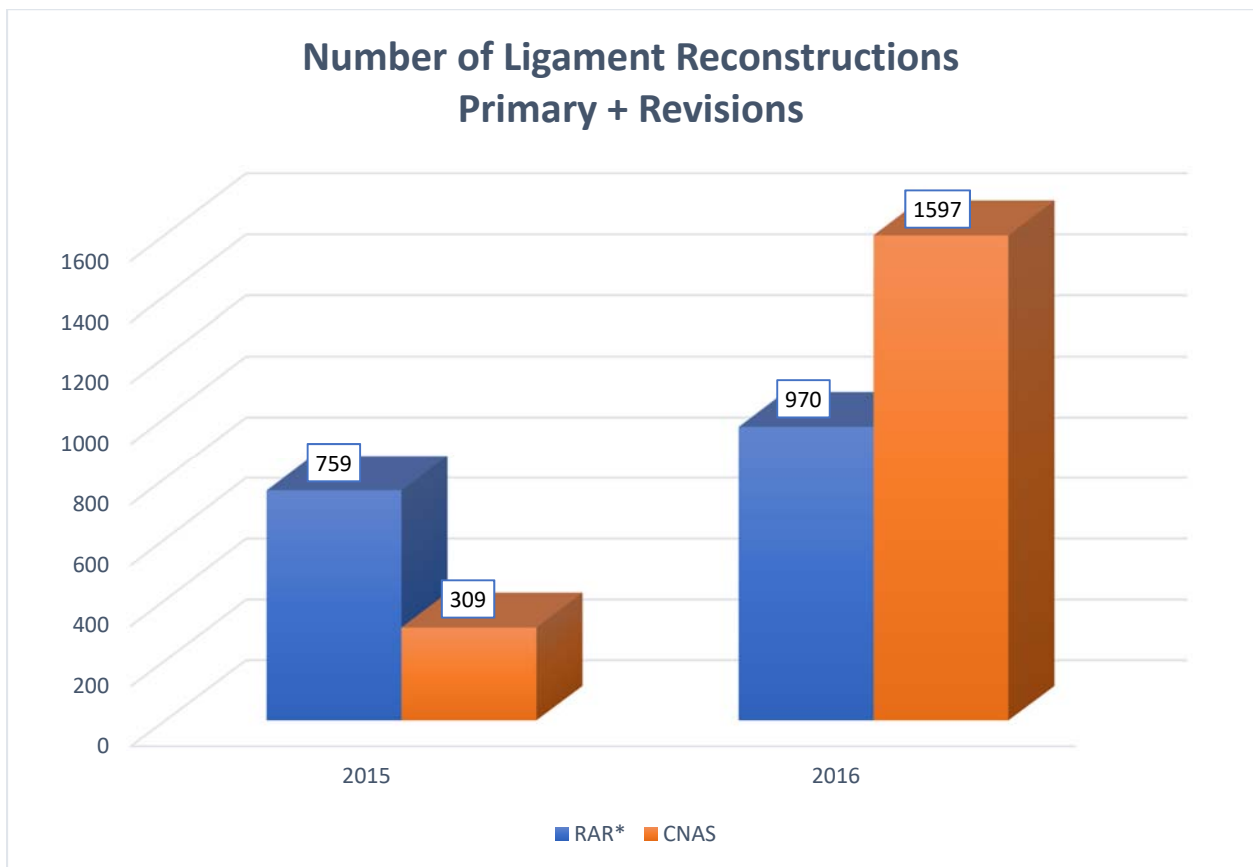


Figure 1 – ACL/PCL Reconstruction in Romania, 2015 – 2016. Comparison between RAR and CNAS.

The data illustrates in 2015, a number of 759 form collected based on ACL/PCL Reconstruction procedures in Romania.

Regarding to the data for the year 2016, it must be stated the fact that the reporting process of the procedures it is still ongoing, and that the Ligament Reconstruction Register it is still collecting the data from the reporting Centers.

Ligament Reconstruction - Gender distribution

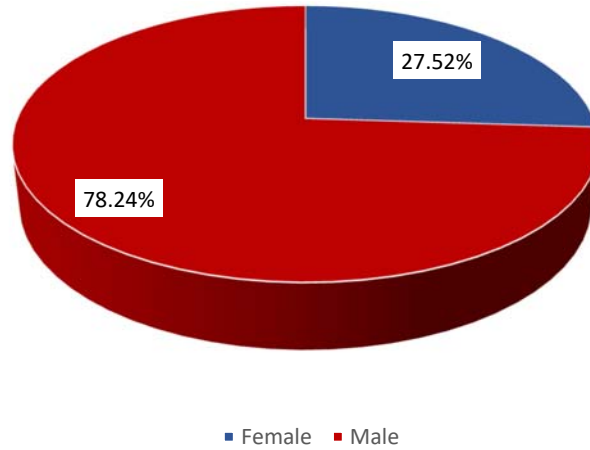


Figure 2 – ACL/PCL Reconstruction (Primary + Revision), Gender distribution, RAR Data

Age Group Distribution

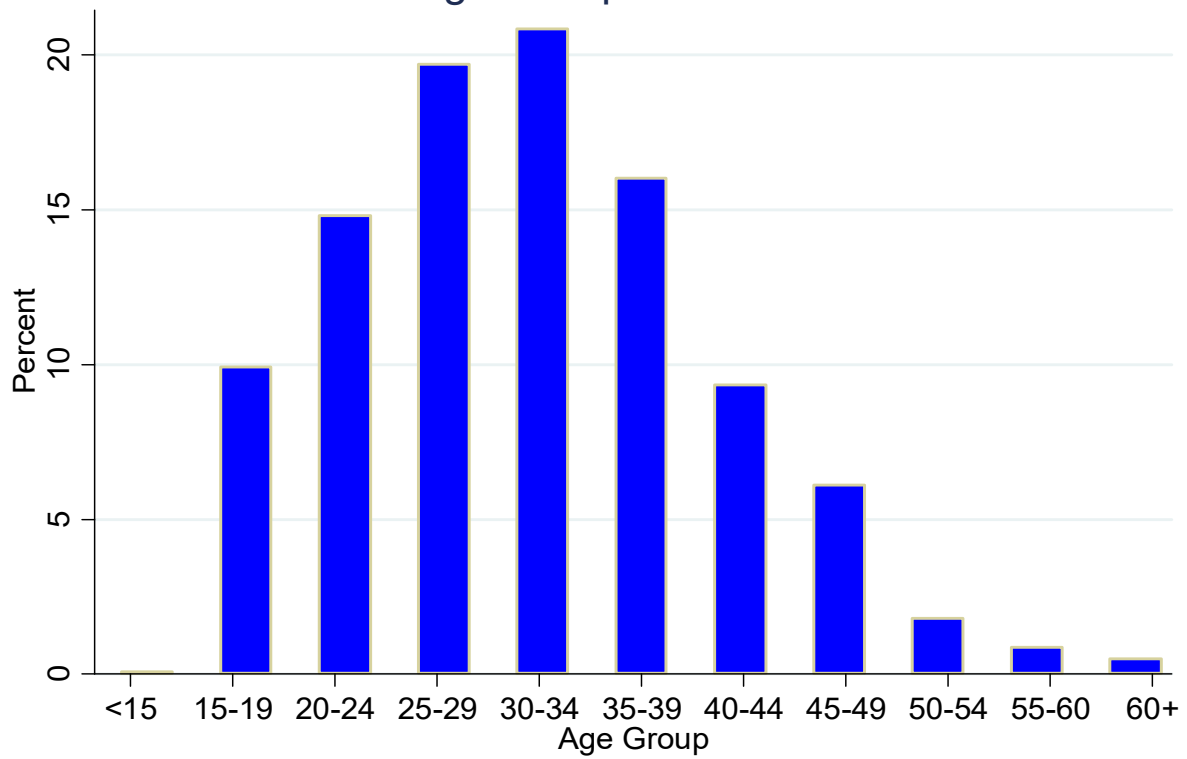


Figure 3 - ACL/PCL Reconstruction (Primary + Revision), Age group distribution – age of the patients at time of intervention –

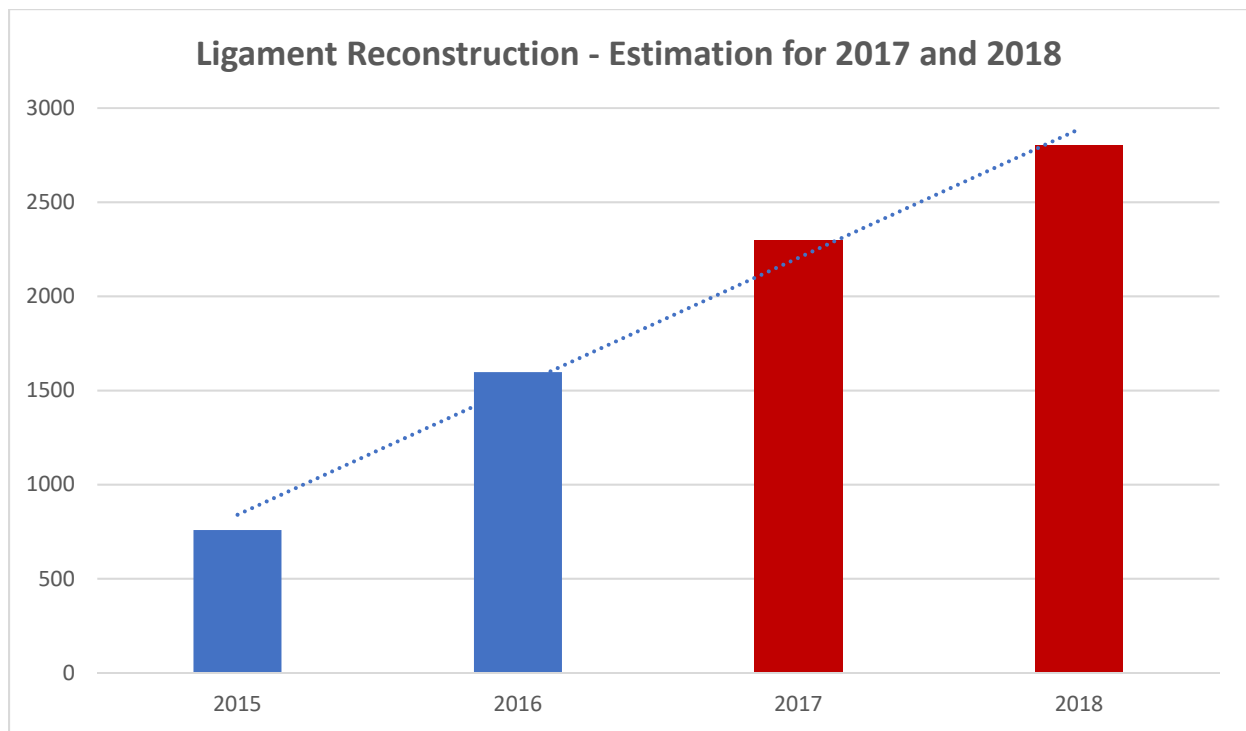


Figure 4 – ACL/PCL Reconstruction (Primary + Revision) estimation for 2017, 2018

According to the available data, following the visible ascending trend, there can be estimated that for 2017, the number of ligament reconstructions will go up to 2000 – 2500.

From the available online data, the information regarding the ligament reconstruction in Europe in the existing Registers allowed a summarization of the number of ligament reconstruction and also to make a comparison of the ligament reconstruction per 100.000 inhabitants between countries – based on the available data.

The identified European Registers analyzed are:

- DKKR: Danish Register
- NKRL: Norwegian Register
- SNKRL: Swedish Register
- UKNLR: UK Register

Based on the available data in 2015, a total number of 11.341 ligament reconstructions were performed from in the four countries listed above, including Romania.

| Country | Number of Ligament Reconstruction Primary + Revision - 2015 | Ligament Reconstruction per 100.000 inhabitants** - 2015 |
|--------------|---|--|
| Sweden (*1) | 3851 | 70 |
| Denmark (*2) | 2698 | 48 |
| UK (*3) | 2067 | 3 |
| Norway (*4) | 1966 | 38 |
| Romania | 759 | 4 |
| TOTAL | 11341 | |

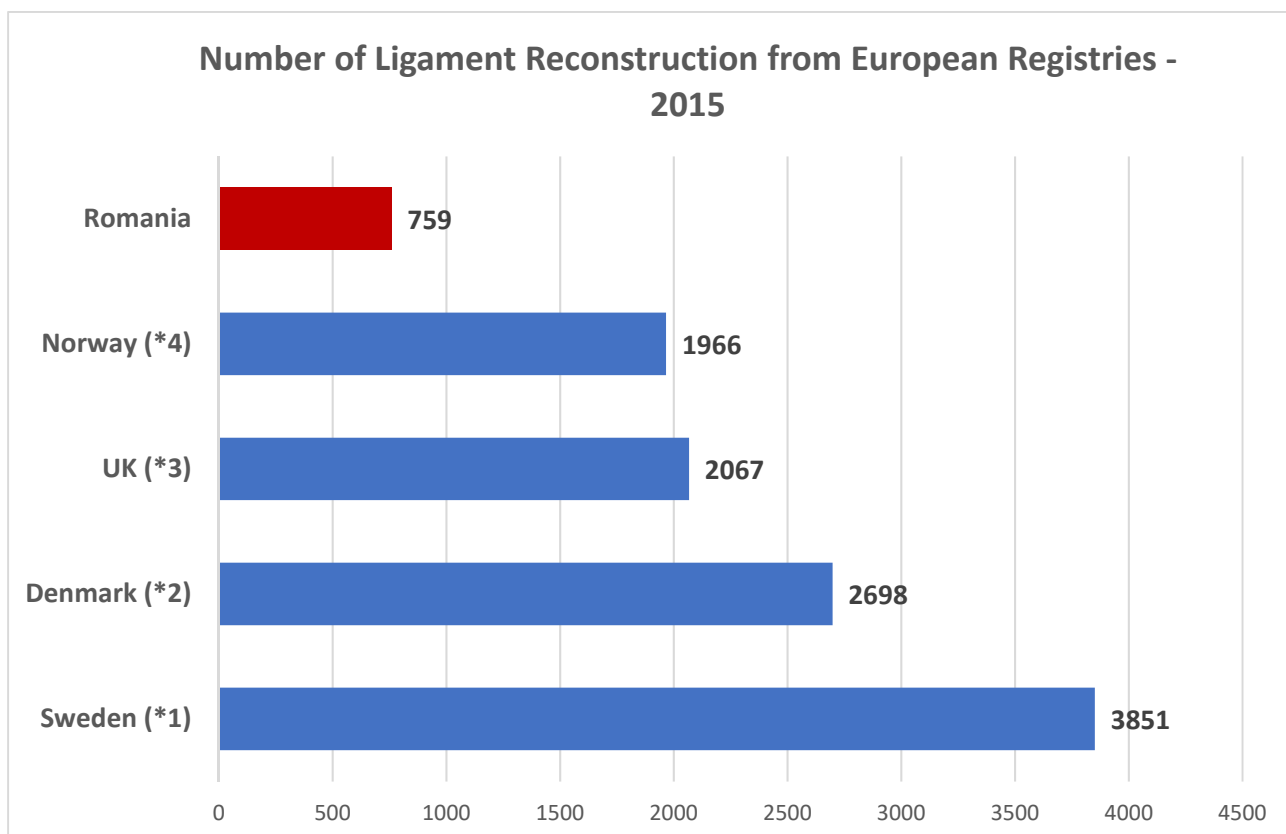


Figure 5 – Ligament reconstructions (Primary + Revisions) in 2015.

*1: Data Source: SNKRL, Swedish Register - <https://www.artroclinic.se/info/rapport2015en.pdf>

*2: Data Source: SNKRL, Danish Register - https://www.sundhed.dk/content/cms/0/4700_dkrr_aarsrapport_2016.pdf

*3: Data Source: UKNLR, UK Register - <http://www.uknir.co.uk/news/> - founded in 2013, the Register does not provide yet a nationwide coverage

*4: Data Source: NKRL, Norwegian Register - http://nrlweb.ihelse.net/eng/Rapporter/Report2016_english.pdf

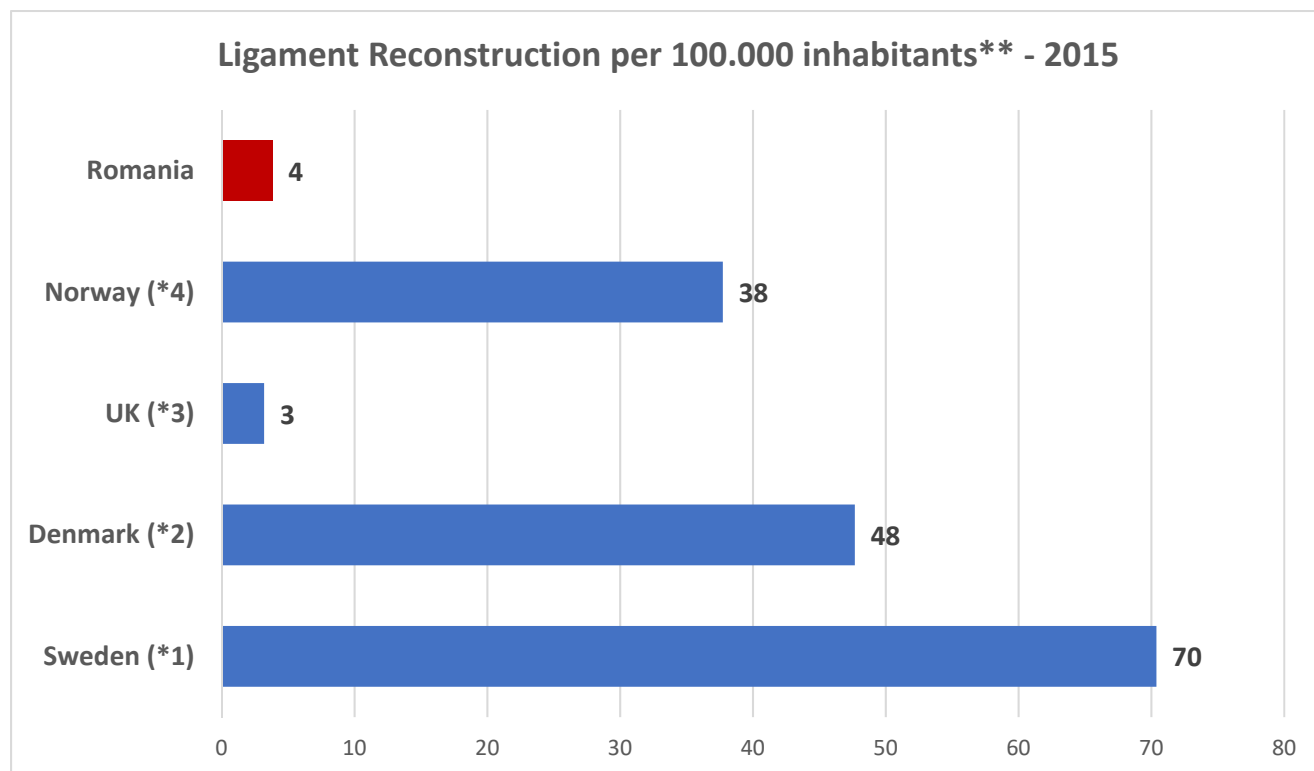


Figure 6 – Ligament Reconstruction (Primary + Revision) per 100.000 inhabitants, 2015.

*1: Data Source: SNKRL, Swedish Register - <https://www.artroclinic.se/info/rapport2015en.pdf>

*2: Data Source: SNKRL, Danish Register - https://www.sundhed.dk/content/cms/0/4700_dkrr_aarsrapport_2016.pdf

*3: Data Source: UKNLR, UK Register - <http://www.uknrl.co.uk/news/>, founded in 2013, the Register does not provide yet a nationwide coverage

*4: Data Source: NKRL, Norwegian Register - http://nrlweb.ihelse.net/eng/Rapporter/Report2016_english.pdf**:

Data source on population:

<http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&language=en&pcode=tgs00027&plugin=1>