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*Logo: the Tulip symbolises richness & beauty, but also fragility, articulating with an (implant) socket.*

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### Italian Arthroplasty Registry: introducing ankle data collection

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#### Introduction

The Italian Arthroplasty Registry (RIAP) is arranged as a regional registries federation. It collects arthroplasty data on hip and knee (since 2013) and on shoulder (since 2017). Data collection is still voluntary. It is based on Hospital Discharge Data (HDD) and a minimum set of additional variables (MDS). The results of a project funded by the Ministry of Health (start 2017) to embody ankle procedures in RIAP's framework are presented.

#### Materials and Methods

Firstly, 2001-2015 HDD were browsed (ICD-9 81.56) to analyze temporal trends, hospital volumes and geographical distribution of total ankle replacements in Italy. Then, different registries' data forms were compared to identify a draft list of variables to be submitted to a committee of orthopaedic surgeons for evaluation. The selected variables were adopted as MDS.

#### Results

Procedures increased +14.2%/year (2001-2015). In 2015, four regions out of 21 performed 84.2% of the national volume.

MDS variables: joint, side, type of procedure, additional procedures performed simultaneously, primary and revision diagnosis, previous procedure on the same joint, approach, fixation, bone graft, catalogue numbers of the implanted device.

#### Discussion/Conclusion

Ankle procedures collection will start in January 2019, firstly including the four highest volume regions. The RIAP web platform will allow the MDS collection. Data linkage between HDD and MDS will be performed locally.

In 2018 RIAP was included in the National Registry of implantable devices, established by law on 3/3/2017. Development of regulations making data collection mandatory in all the regions is ongoing. Their adoption will provide high level of completeness throughout the country.

#### Notes