COBLATION® Technology is a cost effective treatment option for knee chondroplasty: A Spanish payer perspective

COBLATION Technology projected to result in net savings of 2,073€ per patient, due to a significantly lower revision rate at four years after surgery, compared with mechanical debridement (MD)

**Study overview**
- A decision-analytic model compared projected surgical and post-surgical costs from a Spanish payer perspective (expressed in 2016 euros) between COBLATION Technology and MD
- Effectiveness data on clinical outcomes, physiotherapy (PT) and revision surgery were derived from a randomised controlled trial (RCT) conducted over a four-year period following surgery for medial meniscus tears and idiopathic International Cartilage Repair Society (ICRS) grade III focal lesions of the medial femoral condyle\(^1,2\)

**Key results**
- Compared with MD, COBLATION Technology demonstrates:
  - Lower revision rate at 4 years\(^2\)
  - Lower PT at 6 weeks\(^1\)
- This leads to average total cost savings (including revision costs) of 2,073€ per patient over the 4-year time horizon of the model

**Conclusion**
COBLATION Chondroplasty improved clinical outcomes and was estimated to lower average total costs by 2,073€ per patient, when compared with MD, in the treatment of patients with a medial meniscus tear and idiopathic ICRS grade III defect of the medial femoral condyle.

**Considerations**
- Outcomes data were derived from a single-centre RCT, while costs were based on a Spanish payer perspective

**Study citation**
*Adeyemi A, Nherera L, Trueman P, Cano J. Cost-effectiveness analysis of COBLATION Technology vs. mechanical debridement with a shaver in the treatment of knee cartilage lesions - A Spanish payer perspective. Poster presented at: International Society For Pharmacoeconomics and Outcomes Research (ISPOR); November 4-8, 2017; Glasgow, UK.*

**References**