Snoring

Optimizing Compliance and Efficacy

O.R.M type Device® Optimized Retention of the Mandible

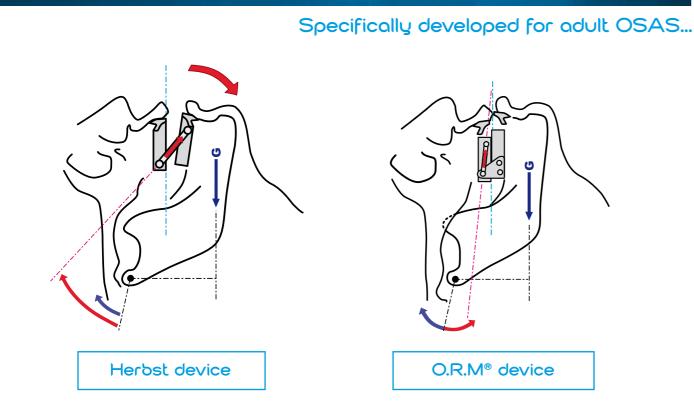
The reference MRD powered by CADCAM technology





Obstructive Sleep Apnea

Patient-friendly therapeutic solution

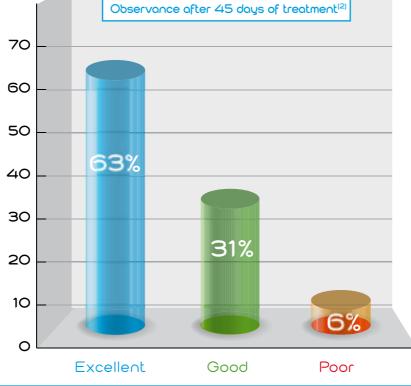


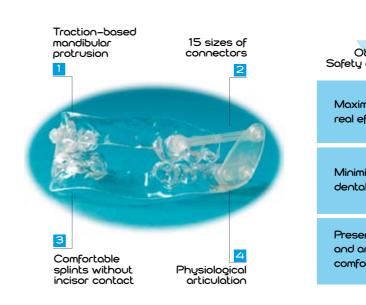
« The results on studied parameters (mouth opening, TMJ contact strength) tend to demonstrate a better clinical profile in terms of compliance and side effects of traction-based mandibular repositioning devices rather than compression-based mandibular repositioning devices" Cheze Study (1)

... enabling rapid treatment adoption

Observance definition : Excellent: Wear device 7 nights a week all night Good : Wear device > 4 nights a week and > 4 hrs/night Poor : Wear device < 4 nights a week or < 4 hrs/night

"This good tolerance led to high reported observance, with 80% of patients wearing the MRD every night compared to a mean of 68% across 7 studies analyzed by Ferguson" Multicentric study⁽²⁾





A Scan \rightarrow B CAD software \rightarrow C CAM by laser



Optimize customization with CAD software

- Bite plane parallel to occlusal plane
- Protection areas over sensitive teeth
- Splint retention optimization



(1) Cheze L. and col. « Impact on temporomandibular joint of two mandibular advancement device designs ». ITBM - RBM 27 (2006) 233.237 (2) Vecchierini MF and col.«Efficacy and compliance of mandibular repositioning device » Sleep Med (2007) doi:10.1016/i.sleep.2007.09.007

O.R.M[®] Device by Narval CADCAM Technology

The innovations of the O.R.M® Device...

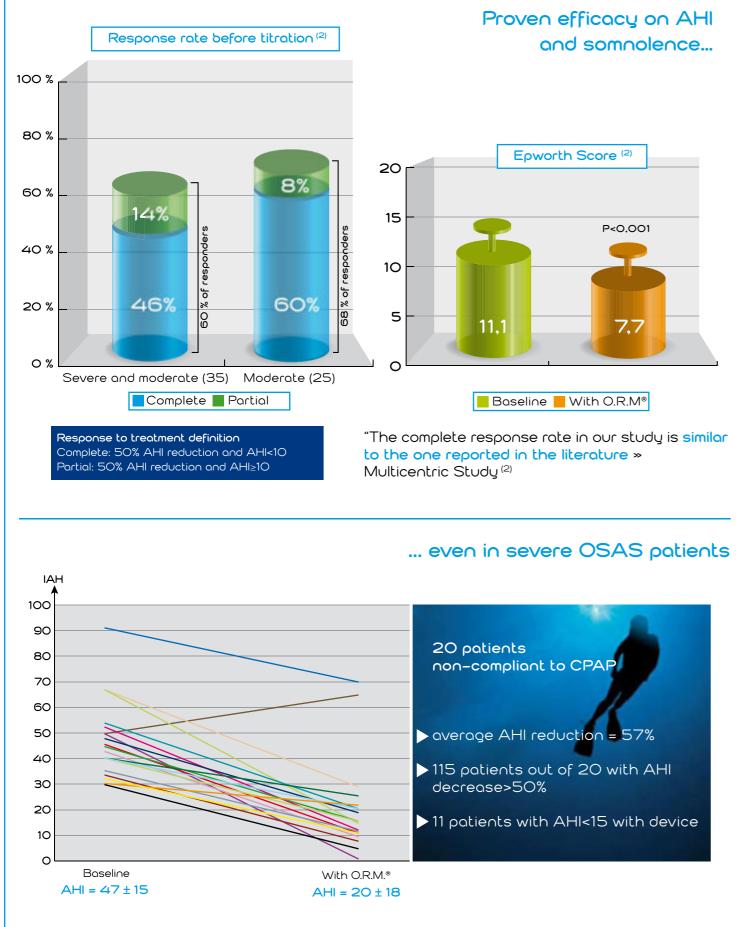
| Dbjective y and Efficacy | Solution | Innovations O.R.M® type Device |
|-------------------------------------|--|---|
| imize efficacy | Tongue can lodge itself against lingual side of incisors | Lingual side of incisors not covered by splint |
| nize al impact | Exert pressure on most robust teeth | Specific cut-out of the splint with no pressure on incisors |
| erve muscle articulation fort | Mandibular advancement respecting occlusal plane | Articulation with elevated attachment point |

...powered by CADCAM technology

Ensure quality with CAM production

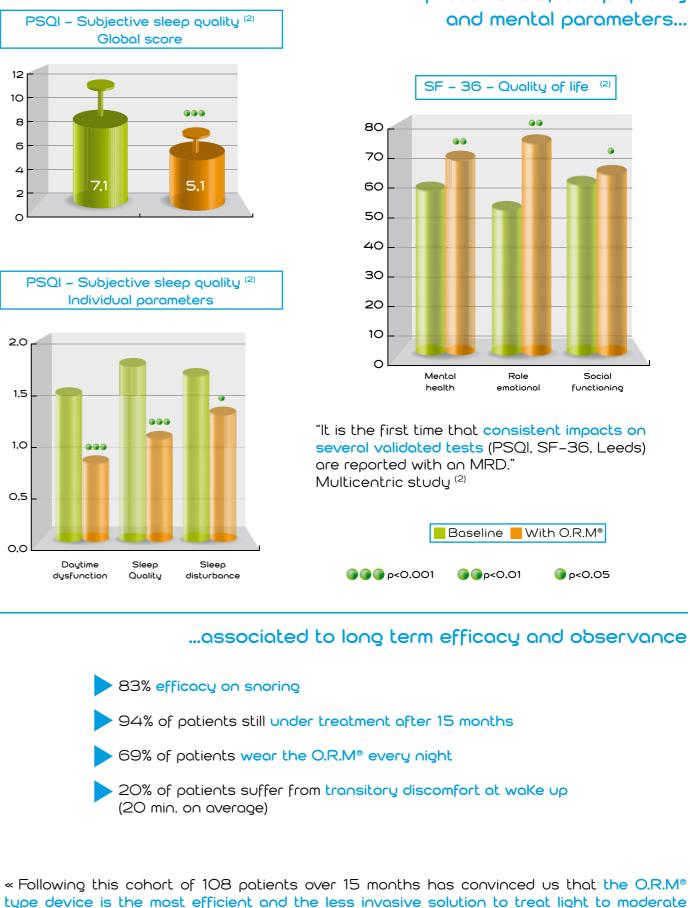
Triangle integrated in splint Comfortable silicone coating Easily interchangeable connectors

Efficacy validated by clinical studies



«The cohort study shows efficacy of the MRD on respiratory parameters including for most of severe OSAS patients » Navailles Study (3)

Significant quality of life improvement



(4) Navailles B. and col. « Prothèse d'avancée mandibulaire et troubles du sommeil obstructifs » SFORL 2004

with the latter » Navailles Study (4)

Improvement of sleep quality and mental parameters...

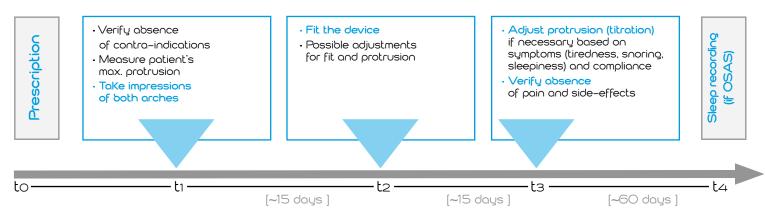
OSAS. For severe OSAS it might be prescribed in case of CPAP intolerance or in association

MRD Indications by the American Academy of Sleep Medicine (5)



(5) Kushida C. A. et al. Practice parameters for treatment of snoring and OSA with oral appliances Sleep vol 29, N*2, 2006

Protocol of care for patients



Titration : Adjustment of mandibular protrusion





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