



*Full Function, Faster<sup>®</sup>*

## ***Full Function, Faster<sup>®</sup> Medial-Pivot***

The Full Function, Faster<sup>®</sup> Total Knee Replacement (TKR) concept is the first in its kind to have a **multifactorial patient treatment** pathway. This is achieved through the combined efforts of the key clinical stakeholders during the treatment. The peri-operative Full Function, Faster<sup>®</sup> protocol **optimizes the patient's mental and physiological state**, excluding function disturbing side effects and minimizing pain, in conjunction with the use of a **function enhancing Medial-Pivot TKR**.

This concept is designed to use the latest clinical evidence supporting acceleration of the patient's functional recovery and perceived satisfaction.



# Peri-operative patient management

Faster recovery and increased patient satisfaction can be achieved by aligning and standardizing care between all the key clinical stakeholders during the treatment. The Full Function, Faster<sup>®</sup> Medial-Pivot protocol provides guidance on all the peri-operative aspects of total knee replacement, supporting the whole team in charge of the patient's care, to maximize outcomes.

## Full Function, Faster<sup>®</sup>

### Pre-Operative

- ▶ Individual educational meeting
- ▶ Pre-emptive analgesia
- ▶ Carbo loading
- ▶ Modern fasting
- ▶ Blood management
- ▶ Pre-habilitation
- ▶ Discharge preparation

### Intra-Operative

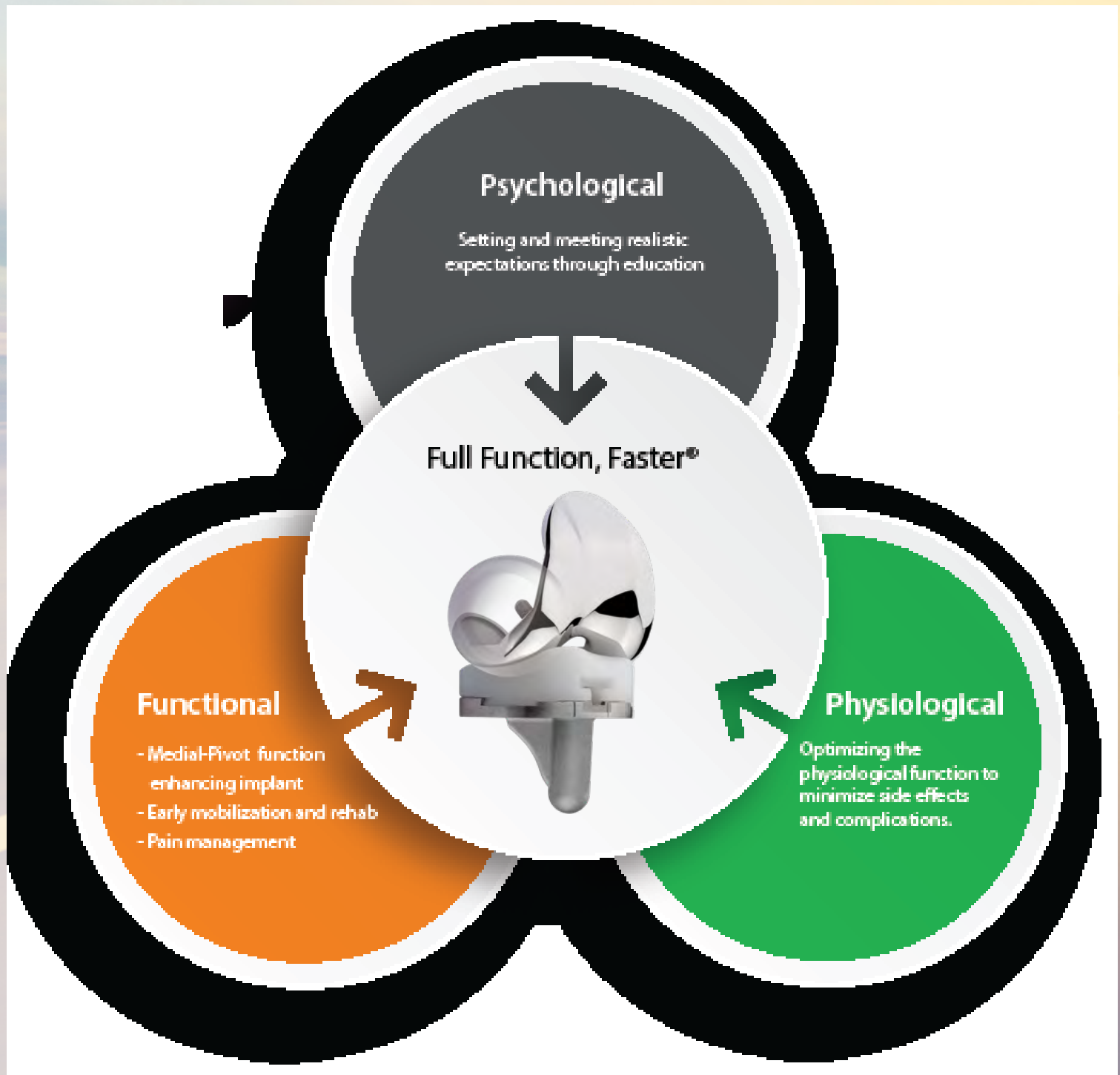
- ▶ Optimized anesthesiology
- ▶ Opioid free multimodal pain management
- ▶ Prophylaxis:
  - AB
  - DVT-PE
  - PONV
- ▶ Normovolaemia
- ▶ Normothermia
- ▶ Medial-Pivot knee replacement

### Post-Operative

- ▶ Advanced compression cryotherapy
- ▶ Early mobilization
- ▶ ADL focused rehabilitation
- ▶ PONV Prophylaxis
- ▶ Oral opioid free pain management
- ▶ 24/7 emergency call point

# Multi-Factorial Patient Approach

The Full Function, Faster® Medial-Pivot protocol focuses on addressing the patient wellbeing at three levels, through a standardized and optimized patient pathway.



# Medial-Pivot A Full Function, Faster® Knee Implant

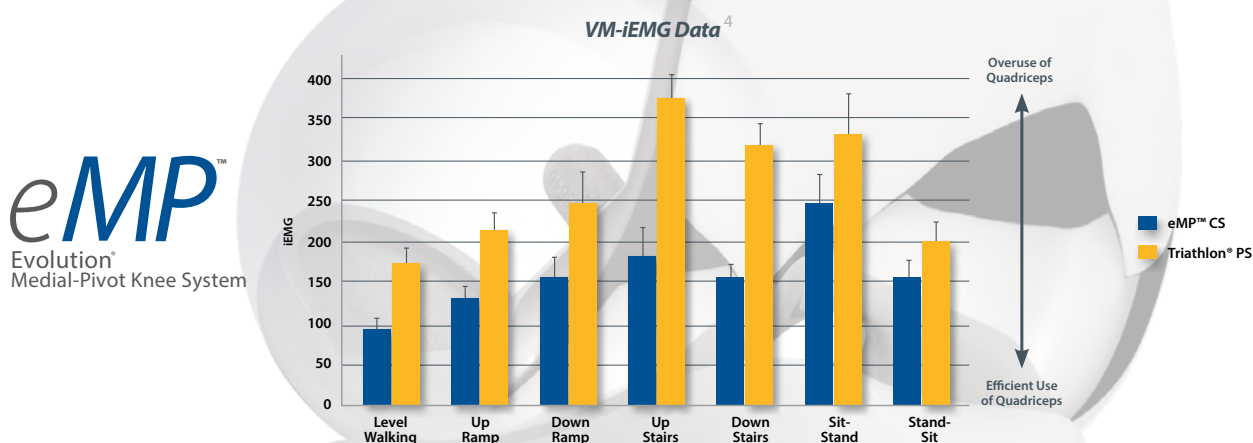
In 1998, the aMP™, or Advance® Medial-Pivot Total Knee Replacement System has been launched in the market. This system is currently still being marketed by MicroPort Orthopedics, who has launched the second generation of Medial Pivot Knee System, the eMP™ or Evolution® Medial Pivot, back in 2010. The aMP™ knee system has proven excellent clinical results with 98,8% survivorship at 17 years follow-up. <sup>1-2</sup>

## Fast forward to active patients

Recent literature has demonstrated that quadriceps efficiency affects patient satisfaction after total knee replacement.<sup>3</sup>

Medial-Pivot knees provide greater quadriceps efficiency:

- ▶ Medial-Pivot Knees require lower quadriceps activation compared to PS competitive designs <sup>4</sup>
- ▶ Equivalent quadriceps efficiency pre- and post-implantation with Medial-Pivot Knee system <sup>5</sup>



## Fast forward to function

Patients with improved quadriceps efficiency and Anterior-Posterior (sagittal) stability may experience:

- ▶ More normal feeling
- ▶ Improved patellofemoral mechanics
- ▶ Superior single-leg weight-bearing flexion performance <sup>6</sup>

## Fast forward to satisfaction

Medial-Pivot provides easy Function, Stability and Satisfaction

- ▶ Patient reported satisfaction up to 99% <sup>7</sup>
- ▶ Patients preferred Medial-Pivot over traditional designs <sup>6</sup>

### References:

1. Macheras, GA et al. Knee (2017)
2. Karachalios T et al. Bone Joint J 2016
3. Furu M et al. J Orthop Sci. 2016 Jan;21(1):38-43. Epub 2015 Nov 14.
4. Czynnyj C et al Prague, EFORT 2015
5. DeBoer DK, Blaha JD, Barnes CL, Fitch D, Obert R, Carroll M e-poster, ISTA, Vienna, October 2015
6. Pritchett JW J Arthroplasty 2011 Feb;26(2):224-8
7. Van Overschelde P et al. Ann Transl Med 2016

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