

GAAK Efficiency

ENVIRONMENTALLY RESPONSIBLE

GMK Efficiency single use instruments

- Have neutral environmental impact when compared to the average CO₂ equivalent annual emission of a hospital using conventional metal re-usable instrumentation ^[5]
- Save up to 435 litres of clean water for each TKR by completely eliminating the need to wash and sterilise traditional metal instrument trays [6-8]



EFFICIENCY KNEEPACK: THE ULTIMATE SOLUTION FOR TKR

All the components needed to perform a Total Knee Replacement delivered terminally sterile in a single, lightweight box to streamline instrument management and to shorten surgery time.

xperience:

- The Stability of GMK Sphere medially stabilized total knee implant [9-12]
- The Accuracy of MyKnee patient matched technology [13-7]
- The Optimized Logistics and Cost-effectiveness of GMK Efficiency single use instrumentation [1-4]



REFERENCES

[1] Siegel G. W., Patel N. N., Milshteyn M. A., Buzas D., Lombardo D. J., Morawa L. G., M.D., Cost Analysis and Surgical Site Infection Rates in Total Knee Arthroplasty Comparing Traditional vs Single-Use Instrumentation Technologies in Knee Arthroplasty: State of The Art, Surg Technol Int. 2016 Apr 27;XXVIII. pii: sti28/727. [4] Survey on European Hospitals and Clinics. Data on file Medacta. [5] Product Carbon Footprints: Comparative analysis metal vs. single use instrumentation, SwissClimate AG, 2014. [6] Gettinge 46 Washer Disinfector - Service instructions. [7] Recommendations for Cleaning, Decontamination and Sterilization of Medacta International Orthopedic Devices. [8] Priordave North America Report, 2013. [9] Printerlate IJW "Patients Prefer A Bicruciate-Retaining or the Medial Pivot Total Knee Prosthesis", The Journal of Arthroplasty, 2011. [10] Jansson V et al, "Kinematics and contact patterns before and after TKA: an in vitro comparison of GNMK PS vs. GNM Sphere", Podium presentation at DKOU 2014, October 28-31 2014. [11] Banks S et al, "In Vivo Kinematics of a Medially Conforming & Rotationally Unconstrained TKA Design", Podium presentation at the 27th Annual/Meeting of the International Society for Technology in Arthroplasty, Kyoto, Japan, September 25-27, 2014. [12] Field R, Scott G, Skinner J, Van Overschelde P, Early Results After GMK Sphere Medially Stabilized Knee Arthroplasties - 6 months and 1 year clinical outcome, Medacta White Paper. [13] Anderl W et al, CTbased patientspecific vs. conventional instrumentation: Early clinical outcome and radiological accuracy in primary TKA; Knee Surg Sports Tiraumatol Arthrosc. 2014. [14] Koch P, Miller Des P, Stan M, Fucentese S, Radiographic accuracy in TKA with CTbased patientspecific cutting block technique, Knee Surg Sports Tiraumatol Arthrosc. 2013 Oct;21(10):22005. [15] Goldberg T et al, Cl-Based Patients With Pre-Evisting Hardware about the Knee, Bone Joint Journal vol. 958 no. SUPP 34 325, 2013. [16] Goldberg T et al, Cl-Based Patient Matched Te

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COMPLETE SET OF SINGLE USE INSTRUMENTS



RESPONSIBLE INNOVATION

Healthcare systems around the world are challenged by increasing volumes and economic pressure.

Healthcare providers are looking for innovative ways to improve efficiency whilst reducing the cost of surgical procedures.

Medacta is committed to providing innovative orthopaedic solutions that improve patient well-being, safely and effectively, and deliver sustainability and efficiency to the healthcare system.

EFFICIENCY IS THE KEYWORD

GMK Efficiency single use instruments have been developed to optimise instrument management, providing significant benefits in the O.R. and throughout the hospital supply chain.

GMK EFFICIENCY HAS THE POTENTIAL TO GENERATE SIGNIFICANT SAVINGS ON THE GLOBAL TKR PROCEDURE COST [3-4].

GMK EFFICIENCY IS THE CLEAR SOLUTION

COMPLETE SINGLE-USE INSTRUMENTATION

GMK Efficiency is a complete single use instrument set to implant either GMK Sphere or GMK Primary total knee systems. Thanks to GMK Efficiency, the back table management is simplified.

LOWER INFECTION RISK

Potentially reduced risk of non-sterile instrument occurrences with terminally sterile instruments [1].

The estimated cost for a single surgical site infection is on average \$25,500 [2].

EFFICIENT AND COST-EFFECTIVE

The time and costs related to washing, sterilising and checking instruments are potentially eliminated [3].

The potential reduction in turnover time and optimisation of staff management can lead to additional surgeries during a surgical session.

ALWAYS READY, STERILE AND BRAND NEW, OPTMISING LOGISTICS

Surgery cancellation or delay caused by non sterile, missing or dysfunctional instruments can be prevented. GMK Efficiency is always delivered terminally sterile.

A complete set of GMK Efficiency weighs almost 10 times less than a conventional re-usable instrument set!

REPRODUCIBLE PROCEDURE

Ergonomic, staff-friendly instruments, brand new for each case.

The combination of special medical grade composite technopolymers and a precise manufacturing process provides high fatigue and abrasion resistance whilst granting design versatility.



A CUSTOMISED SOLUTION

GMK Efficiency has a size-specific layout for effective instrument management.

GMK Efficiency can be used in conjunction with MyKnee, patient-matched instrumentation, maximising its benefits. As an alternative to MyKnee, the GMK Efficiency Conventional set can be used, which includes alignment jigs and sizers.

A GMK Efficiency Patella set is available as an option.





OPTION

GAAK Efficiency **PATELLA**

INSTRUMENT SET