



Dr Anthony Spriggins

Orthopaedic Surgeon

Introducing the Visionaire AG from Smith & Nephew.

The next generation of patient matched instrumentation designed to further optimise operating room efficiencies and improve patient outcomes¹

Smith+Nephew

My team and I at Spriggins Orthopaedics would like to introduce you to the Visionaire Adaptive Guides (AG) from Smith & Nephew. As one of the first surgeon's in South Australia with access to this outstanding technology, I now have this available to you and your patients.

The Visionaire AG patient-specific cutting guides is a system of preparing your patients knee to accept the total knee components. Each patient has a unique anatomy, and so patient-specific bone cutting guides are fashioned using a unique 3D imaging system. This system allows precise bone cuts to be made to position the knee implants precisely to the knees requirements.

With a range of advantages and current published data, the Visionaire AG provides reduced hospital time, improved mechanical axis alignment and reduced blood loss. By not using conventional intramedullary jig systems in Total Knee Replacement there is reduced fat embolisation. The operation is performed without a tourniquet and there is reduced time in the operating room.

If you would like to find out more or book a consultation please contact one of my practice managers. Their contact details can be located on the back cover of this brochure.

Kind Regards



Dr Tony Spriggins

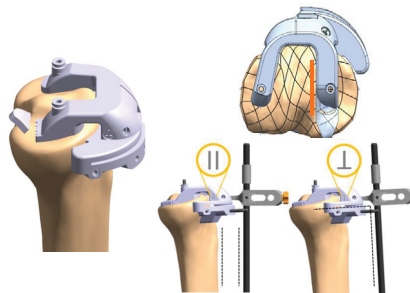
**Orthopaedic Surgeon MB,BS,MS,FRACS,FRCS,FAOrthA.
Joint Replacement and Sports Injury Surgeon of Hip and Knee**

Provider No – 33707 2 B
Provider No – 033707MW

Adaptive Guides (AG)

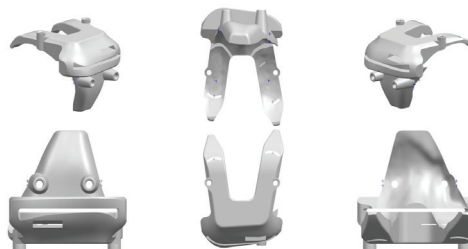
Adaptive to the Surgeon

- 12 NEW features to enhance surgeon experience
- Tangible features for intraoperative adjustments
- Immediate alignment verification



Adaptive to the Patient

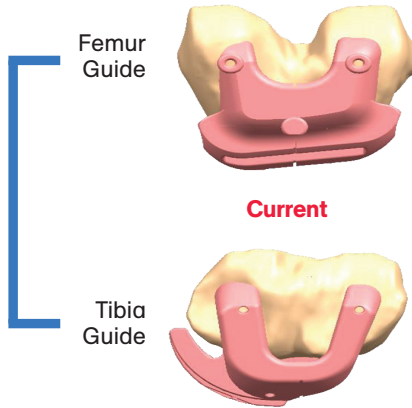
- Increased landmark referencing to adapt to patient's anatomy
- Robust design to capture patient variation, no two guides are alike
- Smart Stability, dynamically updates based on anatomical references



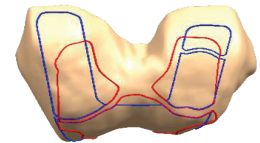
Design changes

Smith+Nephew

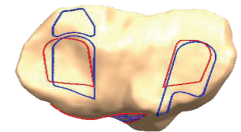
Adaptive Guides



Adaptive Guides



Contact Perimeter



Visionaire Adaptive Guides for TKA

- Improved **CONFIDENCE** through enhanced guide fit and alignment verification
- 60% increased surface area contact (Tibia)
- Modified Anterior face, anterior wing, medial paddle + extension, lateral paddle

Results of meta-analysis

Compared with conventional instrumentation, VISIONAIRE:



Reduced the length of hospital stay by

10.2%

[0.46 days; p=0.0023]



Reduced the odds of an outlier in the mechanical axis by

46%

[p<0.0001]



Less likely to require a blood transfusion by

53%

[p=0.01]

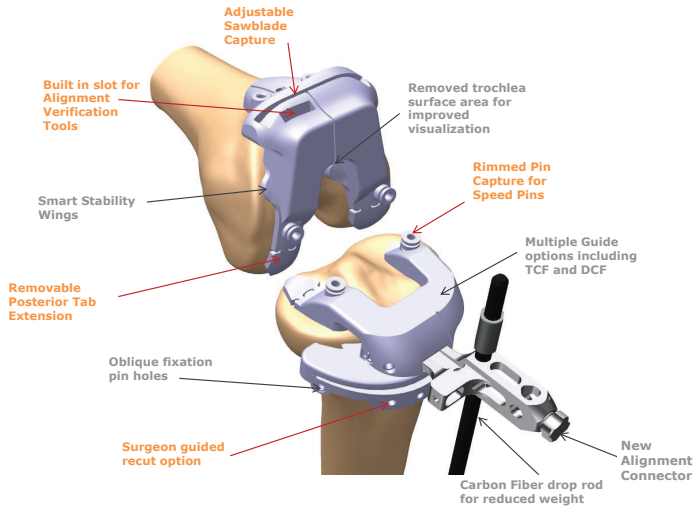


Led to more efficient operations, with reductions in:

- Time in the operating room (**9.6%** shorter; p=0.0004)
- Operating room turnover time (**42%** shorter; p=0.022)
- Tourniquet time (**20.2%** shorter; p=0.0563)

Adaptive Guides

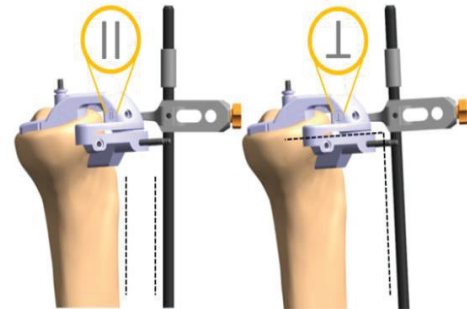
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Available in Femur & Tibia

Available in Femur or Tibia

Verify Tibial Slope by setting the drop rod parallel to the tibia shaft or perpendicular to the cutting slot





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WESTERN
YOUR HOSPITAL THAT CARES

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The content in this brochure is intended only to provide doctors with an update on newly available technology. The information is not to be used for any other purpose, and does not constitute medico-legal advice.

'Hicks C, Saunders C. VISIONAIRE™: More efficient for total knee arthroplasty (TKA) than conventional techniques. Evidence in focus: Systematic literature review and meta-analysis. 2018.

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sportsmed

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