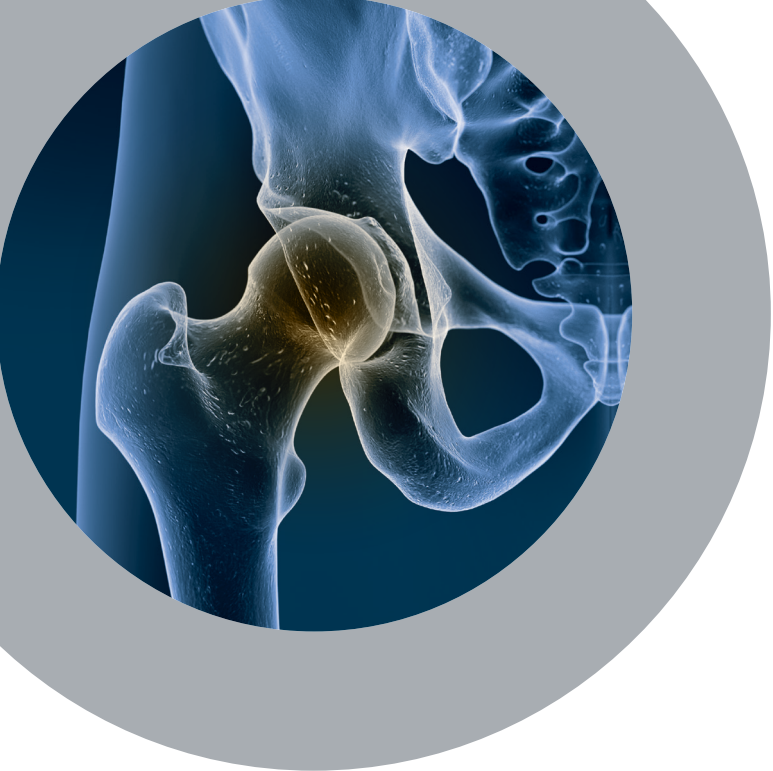




ANTERIOR ADVANTAGE™

The Anterior Approach Education Continuum



Welcome to the Anterior Advantage™ Education Continuum

DePuy Synthes is committed to providing the best training and support throughout your career as an orthopaedic surgeon and we hope our Education Continuum provides you with the appropriate training and experience to deliver the best possible outcomes for your patients.

The Continuum evolved from an acknowledgment that the Anterior Approach has a potential learning curve and requires a training program that reflects the clinical needs of the surgeons looking to adopt this technique.

The Continuum is a multi-stage educational program comprising digital and online materials, surgical visitations, cadaveric workshops, and reverse visitations from one of our experienced Anterior Approach educating surgeons.

We look forward to the opportunity to support you during this learning experience and help you deliver the best outcome for your patients by providing clinically proven implants and best-in-class support for the Anterior Approach technique.

THE ANTERIOR ADVANTAGE™ CONTINUUM OVERVIEW

The Anterior Advantage™ Continuum is an educational pathway to assist surgeons with an interest in learning the Anterior Approach. It was designed by surgeons, for surgeons, with the aim of decreasing the associated learning curve.

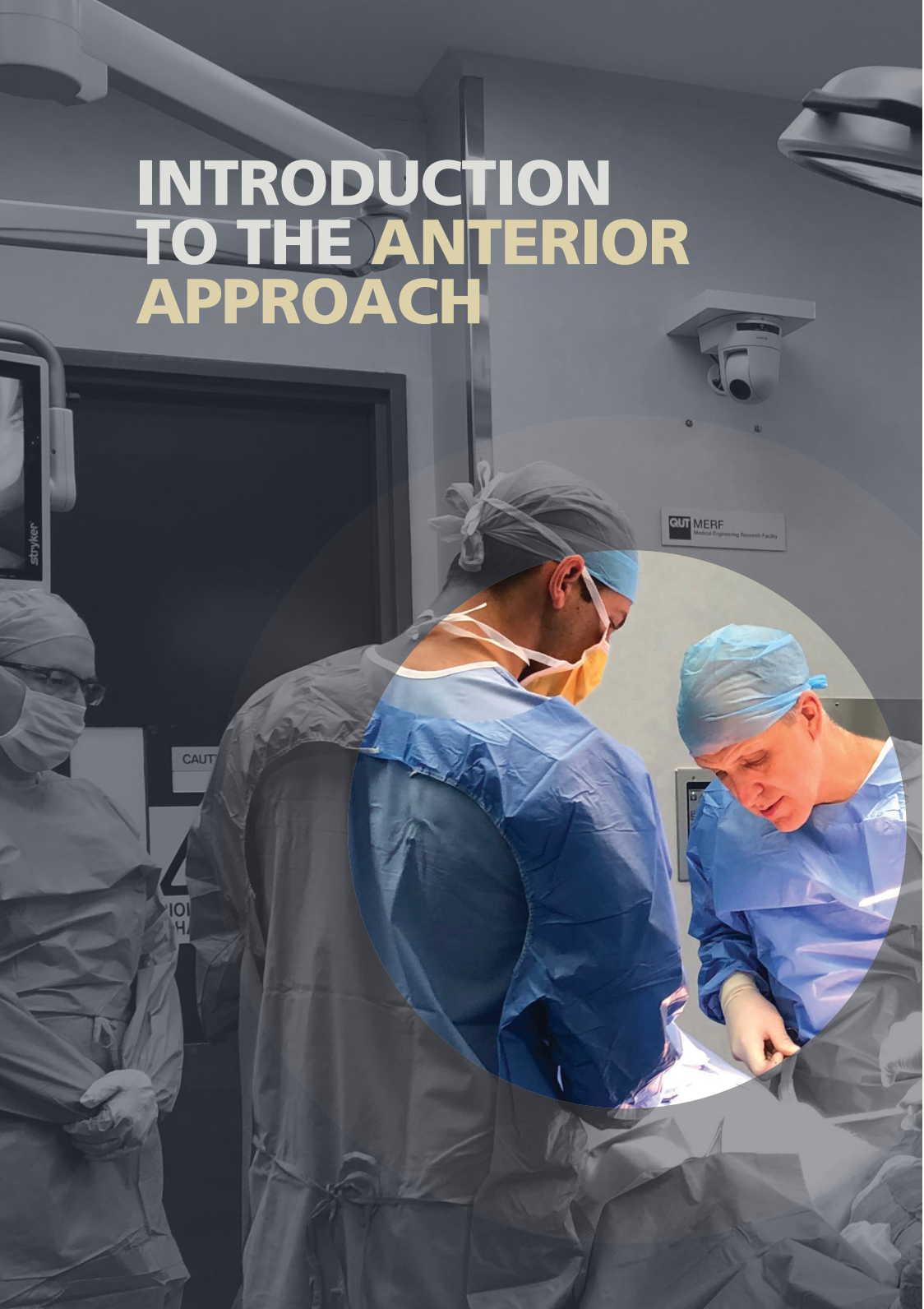
There are distinct phases to progression along the Continuum. The best place to start is a conversation with your local DePuy Synthes Representative about the introductory materials available. This will help us to

understand exactly what you need and plan the most appropriate next steps to take.

If you are new to the Anterior Approach, view some of our MedJ resources or consider performing an Anterior Approach case with our VR simulator. From here you can develop your knowledge further by attending a live surgery visitation with one of our Continuum Faculty.



INTRODUCTION TO THE ANTERIOR APPROACH



Hueter first described the Anterior Approach in 1882, making this the oldest approach to the hip joint.

The approach uses the inter-nervous plane between the femoral nerve on the medial, superior and inferior gluteal nerve on the lateral side. There is no resection of any muscular attachment making this a truly tissue sparing approach.

The approach gained popularity in France in the early fifties with LeTournel and the Judet brothers, who recognised the importance of preserving the muscles surrounding the hip joint.

The supine position gives optimal control of acetabular cup placement, stability and leg length. The procedure can be done with standard operating room equipment, or with the use of a specific orthopaedic traction table. Fluoroscopy can also be used to improve accuracy of cup and stem placement.

There is however, a learning curve with the Anterior Approach, and it is advised to follow a dedicated learning program and begin with selected, simple cases.

DePuy Synthes' Education Continuum provides a solution to this concern and is able to assist you at all stages to help decrease the learning curve.

Potential advantages of the Anterior Approach

The Anterior Approach has seen a rapid worldwide increase over the past few years, highlighted by a survey from the Annual Meeting of the American Association of Hip and Knee Surgeons, where 34% of surgeons indicated they were performing the approach.¹


The following potential benefits have been associated with the Anterior Approach:

- Less tissue disruption, may lead to faster rehabilitation²
- Fewer restrictions during recovery²
- Potentially less pain and better early mobility²

Introducing the

ANTERIOR ADVANTAGE™

The ANTERIOR ADVANTAGE™, is a differentiated solution in Anterior Approach, inclusive of clinically successful DePuy Synthes hip implant products, instrumentation, enabling technologies, and world-class professional education designed to help decrease the learning curve and increase surgical reproducibility for better patient outcomes.







AWARENESS: STARTING YOUR ANTERIOR APPROACH JOURNEY

This is the starting point from where to launch your Anterior Approach learning journey. It begins with a conversation with your local DePuy Synthes sales representative who can help guide and tailor your educational needs. Through the MEDJ app, you can meet our Continuum faculty through a series of videos, and browse our extensive range of Anterior Approach educational materials. Your DePuy Synthes representative can also set up a time for you to experience our Anterior Approach virtual reality simulator.

Aims:

- Introduce you to the DePuy Synthes Anterior Approach offering and provide clarity on the Anterior Advantage™ Education Continuum learning pathway
- Provide initial educational resources to support your development.

Outcomes:

You will have a clear direction and understanding as to how DePuy Synthes can support your Anterior Approach learning experience.



KNOWLEDGE DEVELOPMENT: VISITATION CENTRE

This is a live observation of Anterior Approach surgery with one of our experienced faculty to give you exposure to how it is performed in a real-world setting.

Aims:

- Understand how the Anterior Approach is performed in a real-world setting i.e. instrumentation, draping and staff requirements
- Facilitate interaction with an experienced Anterior Approach surgeon educator
- Create a solid foundation for the next step in our Education Continuum.

Outcomes:

After a surgical site visitation, you will have an increased understanding of how Anterior Approach can be performed and a clear direction of the next learning step.



SKILLS DEVELOPMENT: CADAVER LAB

A hands-on cadaver lab hosted by an experienced Continuum Faculty member. The agenda consists of a didactic presentation, surgical workflow demonstration then a full wet lab; it is a full experience of the Anterior Approach technique.

Aims:

- Provide familiarisation of the approach in a cadaveric setting
- Increase knowledge around effective use of DePuy Synthes implants and instruments
- Provide support through interaction with experienced Anterior Approach faculty and understand their journey.

Outcomes:

You will have an improved knowledge and understanding of the approach and how it is implemented using a cadaver. This will give you the confidence to progress through the learning curve moving towards your first case.



PROCEDURAL CONFIDENCE: REVERSE VISITATION

An Anterior Approach surgeon educator will visit you in theatre to help support your first cases utilising the Anterior Approach technique.

Aims:

- Provide support and guidance when performing your first Anterior Approach case
- Ensure optimal outcomes utilising DePuy Synthes implants and instruments early in your educational journey.

Outcomes:

Have confidence going into your first Anterior Approach case knowing that you have the support and guidance of an experienced Continuum faculty member.





ONGOING EDUCATION

J&J in collaboration with the Macquarie Graduate School of Management have a series of development programs that are designed to help grow your practice with the support you need at the time that you need it. Please contact your DePuy Synthes representative for more information.

OUR FACULTY AND PRIMARY VISITATION SITES



Dr Cameron Cooke

📍 BRISBANE

Dr Cameron Cooke is a specialist lower limb orthopaedic surgeon with an interest in adult hip and knee replacements. Dr Cooke is the Director of Orthopaedics at the Princess Alexandra Hospital in Brisbane and has held a number of positions in his area of special interest. This includes training at the Mater Private Hospital Sydney with Dr Bill Walter in Hip and Knee Reconstruction and at the University of Sheffield with Dr Ian Stockley concentrating on complex Hip and Knee Reconstructive Surgery.



Dr Tyson Doneley

📍 BRISBANE

Dr Tyson Doneley works in Brisbane as a qualified lower limb orthopaedic surgeon. Dr Doneley has a special interest in Anterior Approach total hip replacement without the use of a traction table. He trained as an orthopaedic surgeon in Queensland and has subsequently undertaken fellowship training in both Australia and the United Kingdom. Dr Doneley is committed to the teaching of medical students and trainee orthopaedic surgeons and the further development of orthopaedic knowledge through research activities.



Dr David Cossetto

📍 SYDNEY

Dr David Cossetto specialises in primary and revision hip and knee arthroplasty surgery and he has been an associate of the South Coast Orthopaedic Clinic in Nowra since 1996. Dr Cossetto completed a joint replacement fellowship in the United States at the New England Baptist Hospital in Boston. He has a special interest in off-table Anterior Approach hip replacement surgery since adopting this technique in 2014.



Dr Jit Balakumar

📍 MELBOURNE

Mr Jit Balakumar is an experienced orthopaedic who is a partner at the Melbourne Orthopaedic Group. His hospital appointments include The Austin, The Epworth, The Avenue and the Royal Children's Hospital. He has expertise in lower limb surgery, namely joint replacement and preservation surgeries of the hip. Mr Balakumar has embarked on an extensive learning journey to gain knowledge and skills in the Anterior Approach for his total hip replacements.

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References: 1. American Association of Hip and Knee Surgeons (AAHKS). Results of the Practice Norms Poll. November 2016. 2. Barrett WP, et al, Prospective Randomized Study of Direct Anterior vs Postero-Lateral Approach for Total Hip Arthroplasty, *The Journal of Arthroplasty* (2013).

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