



Ethicon Grant/Fellowship Report Form (Please complete in print/type)

Grant Holder Name	Brendan Joseph O'Daly
Brief biography, including qualification and year of graduation (no more than 100 words)	I graduated MB BCH BAO (primary medical degree) in 2003 from University College Dublin (UCD), Ireland. I am a member of the Royal College of Surgeons in Ireland (RCSI) since 2006, and was awarded my Fellowship in 2012 (FRCS Tr&Orth). I have completed an MD by research (UCD), MSc in Healthcare Management (RCSI), and MSc in Orthopaedic Engineering (Cardiff University) as part of my training. I am a member of the ATLS teaching faculty in Ireland. Following completion of a Fellowship in Orthopaedic Traumatology at R Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, MD, I was appointed a Consultant in Trauma & Orthopaedic Surgery at Tallaght Hospital, Dublin, Ireland.
Title of Project/Fellowship	Clinical Fellowship at R Adams Cowley Shock Trauma Center, Baltimore, Maryland, USA
Year of Award: Commencement Date: Conclusion Date:	Year of Award: 2013 Commencemnt Date: 1 st August 2013 Conclusion Date: 31 st July 2014

Summary (no more than 250 words)

Dr. R Adams Cowley established the Shock Trauma Centre in 1969 fulfilling his pioneering vision of a fully integrated state wide system of Trauma care. This has led to the development of arguably the most-highly evolved system for the delivery of trauma care in the world. Shock Trauma Centre receives approximately 8,000 admissions per annum, of which 40% arrive by air and 60% by ground. The overwhelming majority of these have multi-organ system injuries. The original Trauma Centre was constructed in 1989 designed for 3,500 admissions per year. A \$160 million critical care tower, comprising a new dedicated 10-room operating suite, which opened in 2013, complements this. The hospital roof can now accommodate four helicopters at a time, including if necessary, the US president's Marine One. Shock Trauma has the highest designation for a US Trauma center, called a Primary Adult Resource Center, because it has availability of specialized medical staff and equipment at all times. It's the only such center in Maryland and the only center in the US that operates as a stand-alone facility. The injured cannot themselves attend Shock Trauma, though they can attend the adjoining University of Maryland Medical Center's emergency department. The nerve centre of Shock Trauma is the Trauma Resuscitation Unit or TRU, a 24-bay resuscitation unit where all casualties are initially evaluated. Many concepts and terms commonly used in Trauma care such as the Golden hour, Damage Control Orthopaedics, and Early Appropriate Care were conceived at Shock Trauma. The survival rate for all patients brought to Shock Trauma is 96%.

This is an Orthopaedic Trauma Association (OTA), and US Accreditation Council for Graduate Medical Education (ACGME) accredited Fellowship. Established in 1981, this is justly considered one of the US premier Trauma Fellowships. I am the first Irish Orthopaedic Traumatology Fellow, and the 9th ever non-North American to train at Shock Trauma. R Adams Cowley Shock Trauma Centre is a leading AO North America Trauma Centre, and many of the faculty members contribute to AO Trauma education world wide.

Grant Report (in the region of but no more than 500 words)

Objectives of Project/Fellowship:

An opportunity to hone my existing surgical technique and a chance to master more complex skills

- Ample exposure to high-energy periarticular trauma to the upper and lower extremity
- Exposure to complex pelvic and acetabular trauma
- Solid clinical foundations in organizing trauma teams and systems that adequately manage the problems of polytraumatized patients in academic and nonacademic settings
- A good sound mentor, at a reputable institution, with a diverse case mix
- Research opportunities
- Experience of working in the US healthcare system
- A 'game plan' for every contingency I may encounter working as a Consultant

Did you achieve these objectives?

Yes

In your opinion, what is the value of your award to:

(a) Yourself

This award facilitated my further training in complex peri-articular trauma and pelvic acetabular trauma. This fellowship facilitated my preparation for taking up a Consultant post at a major academic teaching hospital in Ireland. The award facilitated my travel to and from Baltimore, as well as assisted with accomodation costs while in Baltimore. The Division of Orthopaedic Traumatology at the University of Maryland consists of 10 fellowship-trained orthopaedic traumatologists who perform in excess of 3,000 cases annually. Under the direction of Fellowship Director, Dr. Robert O'Toole MD, orthopaedic trauma fellows at Shock Trauma reap the benefits of this unparalleled volume of high-energy traumatic injuries in a highly academic, yet clinically oriented setting.

(b) The institution in which you worked

I am the first Irish Trainee to have trained at R Adams Cowley Shock Trauma Center. Established in 1981, this is justly considered one of the US premier Trauma Fellowships. I am the first Irish Orthopaedic Traumatology Fellow, and the 9th ever non-North American to train at Shock Trauma. International graduates have previously established the reputation of Shock Trauma overseas, and built important international links abroad. As the first Irish graduate of the Fellowship, I hope to be able to strenghten links between R Adams Cowley Shock Trauma Center and both Tallaght Hospital and the RCSI.

(c) In the future for Irish patients

Tallaght Hospital is the designated HSE Centre for the manangement of pelvic and acetabular trauma in Ireland. Two consultant posts with a special interest in Pelvic and Acetabular Trauma have been designated at Tallaght Hospital. I comenced practice at Tallaght Hospital in one of these posts on copmpletion of my fellowship at R Adams Cowley Shock Trauma Center. It is hoped that this appoinyment will enable the continued management of thes epatients and other complex traum cases at Tallaght Hospital. Through didactic morning rounds and multiple teaching techniques, The Fellowship has provided me with an unrivalled experience to learn new surgical techniques in Pelvic and Acetabular Trauma, complex peri-articular trauma, non-union, and post-traumatic reconstruction.