



# RCSI

ROYAL COLLEGE OF SURGEONS IN IRELAND

COLÁISTE RÍOGA NA MÁINLEÁ IN ÉIRINN

## Grant/Fellowship Report Form

<b>Fellowship/Grant Holder Name</b>	Adrian McArdle
<b>Brief biography, including qualification and year of graduation (no more than 100 words)</b>	Graduated from University College Dublin in 2009. Completed a postdoctoral research fellowship in Stem Cells and Tissue Regeneration at Stanford University, California in 2014. Awarded an MD (by thesis) from UCD in 2016. Completed Higher surgical training in Plastic Surgery in Ireland. Awarded FRCSI and FEBOPRAS in 2019. Completed a postgraduate Certificate in Healthcare Management and Leadership from the Smurfit School of Business.
<b>Title of Project/Fellowship</b>	Oncologic and Microvascular Reconstruction University of Toronto
<b>Year of Award: Commencement Date: Conclusion Date:</b>	Awarded: July 2020 Commenced: 1 <sup>st</sup> July 2019 Conclusion: 1 <sup>st</sup> July 2020

### Summary (no more than 250 words)

I commenced my fellowship at the University of Toronto in July 2019, at Sunnybrook Health Sciences Centre. Sunnybrook is a tertiary referral centre for complex cancer care, and is the largest single-site critical care resource in Ontario.

This fellowship has provided me with unparalleled exposure to complex microvascular reconstructive techniques. Excellent mentoring throughout the fellowship has allowed me to excel in microsurgical reconstruction. It has provided me with exposure to a wide variety of oncologic reconstructions, with major emphasis on breast, melanoma, and pelvic malignancies. In addition, the fellowship allowed for a full exposure to complex trauma reconstruction with major emphasis on craniofacial, and extremity reconstructions.

The fellowship has provided me with the skills needed to provide complex reconstructive care to cancer and trauma patients. It has allowed me to advance my leadership and teaching skills.

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

Objectives of Project/Fellowship:

The 12 month Fellowship in Oncologic and Microvascular Reconstructive Surgery offered advanced reconstructive training which has equipped me with the surgical skills necessary to assess and manage Cancer and Trauma patients requiring complex reconstructions. The fellowship provided training focusing on the following areas:

1. Immediate and delayed breast reconstruction, with emphasis on free flap techniques
2. Partial breast reconstruction, including oncoplastic techniques
3. Reconstruction of craniofacial soft tissue defects
4. Reconstruction of major post-traumatic extremity defects
5. Melanoma management
6. Complex reconstruction to manage post-traumatic or cancer ablation defects.

Multidisciplinary approaches in the care of cancer patients was emphasised during this fellowship.

Did you achieve these objectives?

Yes

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

(a) Yourself

This unique fellowship has provided me with unparalleled, large volume exposure to all types of reconstruction in plastic surgery. It has provided high level training in complex Oncologic and Microvascular Reconstructive Surgery. The fellowship has equipped me with the skills necessary to provide state-of-the-art reconstructive care to my patients.

(b) The institution in which you worked

The award allowed for educational resources necessary during my fellowship, including books, and a course in Europe. It ensured I could focus on patient care and surgical skill acquisition during the fellowship.

(c) In the future for Irish patients

The support of the RCSI Colles Travelling Award has facilitated the highest level of training possible in Complex Reconstructive surgery. It will allow me to provide the best surgical care for my patients in the future.