

# Walter Reed National Military Medical Center 8<sup>th</sup> Annual National Capital Region Research Competitions

## Case Report Application Guide

### Eligibility Requirements:

- Any active duty military personnel or federal employees training or working at the Walter Reed National Military Medical Center.
- Contractors may participate so long as their contract permits such activities.
- Applicants may either be nominated by his/her program director or self-nominate

### Participation Event List

- Abstract Submission Deadline: **07FEB2016**

The abstract submission package will be emailed to Department of Research Programs Research and Innovation Month's email group: **"DHA NSA Bethesda WRNMMC Mailbox ResearchAndInnovationMonth."** You will receive an email confirming that the package was received and a notification if any of your material is missing. You will have until the end of 14FEB2016 to have your package submitted with all of the required material.

**Please complete and submit the following forms in your submission package to qualify for a review:**

- Nomination Form (Page 3 – 4)
  - Abstract Submission Form (Page 5)
  - Abstract (Page 6)
- **Poster Display Week: You are required to display a research poster for Poster Display Week**

To notify the public about the amount of research conducted at the WRNMMC, all competition participants are required to display their research poster at Poster Display Week. Though it will not impact the participants' competition standing, **Case Report applicants are required to display their research posters at this event.** More details will come delineating its sections. The Medical Graphic Arts Department is able to create your research poster **for free.** Please submit a work order form and your poster to them by **01 March 2016.**

**\*\*\*All forms and documents can be found in the 8<sup>th</sup> Annual Research Competitions folder located on the intranet (SharePoint), in the Education Training & Research Directorate, Department of Research Programs, in the Research Education Services under "2016 Research and Innovation Month."**

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**Case Report**  
**Task Checklist**

- ❑ Applicant starts on research project during his/her training period.
  - ❑ Applicant completes the requested paperwork, below, for the Case Report award.
  - ❑ **First Submission:** Applicant submits abstract submission material to the Department of Research Programs Research and Innovation Month's email group at [dha.bethesda.wrnmmc.mbx.researchandinnovationmonth@mail.mil](mailto:dha.bethesda.wrnmmc.mbx.researchandinnovationmonth@mail.mil) with the subject line "Last Name, First Name (Category-Training Status)" – Example: [White, Ben (Case Report-Fellow/Staff)] consisting of the following (Deadline: No later than **07FEB2016**):
    - Nomination Form (Page 3 – 4)
    - Abstract Submission Form (Page 5)
    - Abstract (Page 6)
  - ❑ Applicant receives the status of their abstract submission package.
    - If the submission package is incomplete, the applicant may submit the missing material directly to the Research and Innovation Month's email group with the subject line "Last Name, First Name (Category-Status)," before 14FEB2016
  - ❑ **Second Submission:** Submit a poster draft, Medical Graphic Arts Department (MGAD) work order form, BUMED Instructions for Permission form and a HIPAA Privacy Release form to MGAD for its production. MGAD points of contact are Mary-Ann Ayrandjian ([mary-ann.ayrandjian.civ@mail.mil](mailto:mary-ann.ayrandjian.civ@mail.mil)) and Shane Stiefel ([shane.m.stiefel.civ@mail.mil](mailto:shane.m.stiefel.civ@mail.mil)). (Deadline: **01 March 2016**).
- NOTE: Please provide permissions for images/brands and any copyright information in poster submissions.**
- ❑ Receive notification of whether applicant is a category finalist by email (**March–April 2016**) and start preparing to do a poster presentation for Poster Competitions.
  - ❑ Pick up poster from MGAD upon email announcement.
  - ❑ Display research poster at Poster Display Week. (**09-13 May 2016**)
  - ❑ If chosen as a finalist, prepare to do a poster presentation for Poster Competitions in formal uniform. (**11 May 2016**)
    - Army: Class A Uniforms
    - Navy: Dress Blue Uniforms
    - Air Force: Dress Service
    - Federal Employees/Contractors: Formal Business Attire
  - ❑ Present for award distribution at Research Symposium II if determined to be an awardee.

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**Case Report Poster Competition Nomination Form**

**FROM:** Program Director

Name, Rank and Title

Name of Program

OR

Name, Rank, and Title of Self-Nominated Applicant

Department

**TO:** Chief, Department of Research Programs (WRNMMC)

**SUBJECT:** Nomination for the 8<sup>th</sup> Joint National Capital Region Research Competition

**DATE:**

I request consideration for the 8<sup>th</sup> National Capital Region Case Report Poster Competition in the following category:

**Case Report Nominee:**

**Staff/Fellow**

OR

**Resident/Intern**

OR

**Other**

Nominee's Information

Name, Title

Duty assignment

Email addresses

Primary

Secondary

Phone numbers

Daytime

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Evening

Pager Number/Cell

Please attach Abstract Submission Form (see below)

Please attach Submission Abstract (see below)

SIGNATURE  
SELF-NOMINEE

OR

SIGNATURE  
PROGRAM DIRECTOR

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**ABSTRACT SUBMISSION FORM**

**Project Title**

**Author(s)**

Name, Title, Department

**Category Nominee**

**Staff/Fellow**

OR

**Resident**

OR

**Other**

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Please attach **ABSTRACT** (One-page, Times New Roman, 12-point font), including:

**INTRODUCTION**

**CASE DESCRIPTION**

**DISCUSSION**

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## Case Report Submission Example

The following is an abstract submitted by the 2015 Fellow/Staff Case Report Winner:

### ABSTRACT SUBMISSION FORM

**Project Title: Use of Spray Skin Epidermal Regenerate in Conjunction with Dermal Regenerate for Reconstruction of Full Thickness Traumatic Soft Tissue Loss**

**Author(s)**

CDR Mark E. Fleming, MC, USN; Staff Orthopaedic Surgeon, Walter Reed National Military Medical Center, Department of Orthopaedic Surgery

CDR Ian L. Valerio, MC, USN; Staff Plastic Surgeon, Walter Reed National Military Medical Center, Department of Surgery

**Category Nominee: Staff**

**Background:** Massive soft tissue loss secondary to combat trauma is a difficult clinical challenge. This report outlines a military trauma treated by a combination of regenerative modalities: a dermal regenerate matrix and spray skin regenerative therapy.

**Methods:** After approval from our IRB and FDA, a one-time application of Recell autologous cell harvesting/spray skin device (Ayita Medical LLC) was approved. This case report is a retrospective review highlighting clinically-applied regenerative technologies.

**Results:** A 29-year-old male suffered blast-related injuries in 2010. His treatment course was complicated by a severe necrotizing fasciitis infection resulting in skin loss compromising almost 80% TBSA and triple-limb amputations. Recently, this combat casualty underwent staged ventral hernia repair, with a resulting skin deficit of >600 cm<sup>2</sup>. Dermal regenerate matrices were applied to the defect, establishing a "neodermis." Three weeks after application, the matrices were incorporated. A (6:1) split-thickness skin graft combined with spray skin via an overspray technique was applied to the 600 cm<sup>2</sup> abdominal wound and 140 cm<sup>2</sup> skin graft donor sites (total surface area treated >740 cm<sup>2</sup>). Spray skin expansion effectively covered >300 cm<sup>2</sup> per 2 cm<sup>2</sup> of donor skin processed. At 6-months and 1-year follow-up, all recipient sites were completely healed, stable, and without evidence of complications.

**Conclusion:** A combined regenerative therapy to address combat traumatic soft tissue loss has been illustrated. Through conversion of full-thickness injuries to partial thickness via application of dermal regenerates, spray skin regenerative technology can be employed for skin coverage. As with prior military conflicts, this case report supports feasible clinical innovations that may be adapted for civilian medical treatments.

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## Case Report Research Poster Example

What Case Report applicants are given freedom to choose the content and arrangement of their posters, they should have the following topics clearly shown:

- Title
- Introduction/Objectives
- Case Description/Technique
- Results (If Applicable)
- Discussion
- Conclusion
- Reference

The picture below is from the 2015 Case Report – Intern/Resident Category Winner

