



DEPARTMENT OF THE AIR FORCE  
59TH MEDICAL WING (AETC)  
JOINT BASE SAN ANTONIO - LACKLAND TEXAS

9 MAY 2016

MEMORANDUM FOR ST

ATTN: MARIE ERICCCSON

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled **59<sup>th</sup> Medical Wing Office of the Chief Scientist Research Highlights Flyer-April 2016** presented at/published to **59 MDW/ST AFMS KX Site, Distribution by Email, etc** with MDWI 41-108, and has been assigned local file #**16190**.
2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (by phone or mail) that your presentation was given. At that time, we will need the date (month, day and year) along with the location of your presentation. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center (WHASC) internship and residency programs.
3. Please know that if you are a Graduate Health Sciences Education student and your department has told you they cannot fund your publication, the 59th Clinical Research Division may pay for your basic journal publishing charges (to include costs for tables and black and white photos). We cannot pay for reprints. If you are 59 MDW staff member, we can forward your request for funds to the designated wing POC.
4. Congratulations, and thank you for your efforts and time. Your contributions are vital to the medical mission. We look forward to assisting you in your future publication/presentation efforts.

Linda Steel-Goodwin

LINDA STEEL-GOODWIN, Col, USAF, BSC  
Director, Clinical Investigations & Research Support

## PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS

### INSTRUCTIONS

#### USE ONLY THE MOST CURRENT 59 MDW FORM 3039 LOCATED ON AF E-PUBLISHING

1. The author must complete page two of this form:
  - a. In Section 2, add the funding source for your study [ e.g., 59 MDW CRD Graduate Health Sciences Education (GHSE) (SG5 O&M); SG5 R&D; Tri-Service Nursing Research Program (TSNRP); Defense Medical Research & Development Program (DMRDP); NIH; Congressionally Directed Medical Research Program (CDMRP) ; Grants; etc.]
  - b. In Section 2, there may be funding available for journal costs, if your department is not paying for figures, tables or photographs for your publication. Please state "YES" or "NO" in Section 2 of the form, if you need publication funding support.
2. Print your name, rank/grade, sign and date the form in the author's signature block or use an electronic signature.
3. Attach a copy of the 59 MDW IRB or IACUC approval letter for the research related study. If this is a technical publication/presentation, state the type (e.g. case report, QA/QI study, program evaluation study, informational report/briefing, etc.) in the "Protocol Title" box.
4. Attach a copy of your abstract, paper, poster and other supporting documentation.
5. Save and forward, via email, the processing form and all supporting documentation to your unit commander, program director or immediate supervisor for review/approval.
6. On page 2, have either your unit commander, program director or immediate supervisor:
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7. Submit your completed form and all supporting documentation to the CRD for processing (59crdpubspres@us.af.mil). If you have any questions or concerns, please contact the 59 CRD/ Publications and Presentations Section at 292-7141 for assistance.
8. The 59 CRD/Publications and Presentations Section will route the request form to clinical investigations, 502 ISG/JAC (Ethics Review) and Public Affairs (59 MDW/PA) for review and then forward you a final letter of approval or disapproval.
9. Once your manuscript, poster or presentation has been approved for a one-time public release, you may proceed with your publication or presentation submission activities, as stated on this form. **Note:** For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.
10. If your manuscript is accepted for scientific publication, please contact the 59 CRD/Publications and Presentations Section at 292-7141. This information is reported to the 59 MDW/CC. All medical research or technical information publications/presentations must be reported to the Defense Technical Information Center (DITC). See 59 MDWI 41-108, *Presentation and Publication of Medical and Technical Papers*, for additional information.

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement:

***"The views expressed are those of the [author(s)] [presenter(s)] and do not reflect the official views or policy of the Department of Defense or its Components"***

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement for research involving humans:

***"The voluntary, fully informed consent of the subjects used in this research was obtained as required by 32 CFR 219 and DODI 3216.02\_AFI 40-402."***

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***"The experiments reported herein were conducted according to the principles set forth in the National Institute of Health Publication No. 80-23, Guide for the Care and Use of Laboratory Animals and the Animal Welfare Act of 1966, as amended."***

PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS			
1. TO: CLINICAL RESEARCH	2. FROM: (Author's Name, Rank, Grade, Office Symbol) Ericsson, Marie V CTR, 59MDW/ST	3. GME/GHSE STUDENT: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	4. PROTOCOL NUMBER: NA
5. PROTOCOL TITLE: (NOTE: For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.) NA			
6. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED: 59th Medical Wing Office of the Chief Scientist Research Highlights Flyer - April 2016			
7. FUNDING RECEIVED FOR THIS STUDY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO FUNDING SOURCE:			
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13. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email) Lopez, Raquel, L, raquel.lopez.2.ctr@us.af.mil			14. DUTY PHONE/PAGER NUMBER 210-292-3366
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a. Primary/Corresponding Author Ericsson, Marie V		CTR	59MDW/ST
b.			
c.			
d.			
e.			
f.			
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16. AUTHOR'S PRINTED NAME, RANK, GRADE Ericsson, Marie V CTR, 59MDW/ST		17. AUTHOR'S SIGNATURE ERICSSON MARIE.V.1368738251 <small>Digitally signed by ERICSSON MARIE.V.1368738251 DN: cn=ERICSSON MARIE.V.1368738251, ou=AFMCONTRACTOR and ERICSSON MARIE.V.1368738251 Date: 2016.04.21 12:46:02 -0500</small>	18. DATE April 21, 2016
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**PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS**

<b>1st ENDORSEMENT (59 MDW/SGVU Use Only)</b>		
TO: Clinical Research Division 59 MDW/CRD Contact 292-7141 for email instructions.	22. DATE RECEIVED April 22, 2016	23. ASSIGNED PROCESSING REQUEST FILE NUMBER 16190
24. DATE REVIEWED 29 Apr 2016		25. DATE FORWARDED TO 502 ISG/JAC
26. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES If yes, give date. _____ <input type="checkbox"/> N/A		
27. COMMENTS <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED The flyer is approved.		
28. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER Rocky Calcote, PhD, Clinical Research Administrator	29. REVIEWER SIGNATURE CALCOTE ROCKY D.1178245844 <small>Digitally signed by CALCOTE ROCKY D.1178245844 DN: cn=US, o=US Government, serial=164761, cn=USJAF, c=US, CALCOTE ROCKY D.1178245844 Date: 2016.04.28 16:27:27 -0500</small>	30. DATE
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# 59th Medical Wing Office of the Chief Scientist

## Research Highlights

April 2016

### What's new in...



Maj Joseph Maddry (AFMSA at 59 MDW/ST) and the En Route Care Research teams' "Combat MEDEVAC: A Comparison of Care by Provider Type for En Route Trauma Care in Theater and 30-day Patient Outcomes" manuscript was accepted for publication in the Journal of Trauma & Acute Care Surgery. Their combined efforts evaluated the scope of MEDEVAC providers and identification of associations between provider type, procedures performed and outcomes.

EN ROUTE  
CARE



The model development abstract for "Validation of Bioabsorbable / Biointegratable NPWT (Negative Pressure Wound Therapy) Sponge in a Large Animal Model of Composite Tissue Loss" (PI: Lt Col Michael Davis, USAISR Deputy Commander (59 MDW)) was accepted for a podium presentation at the 2016 International Surgical Congress of the Association of Surgeons of Great Britain and Ireland Association / Association of Trauma and Military Surgery Conference. <http://www.asgbi.org/belfast2016/scientific-programme/>

OPERATIONAL  
MEDICINE



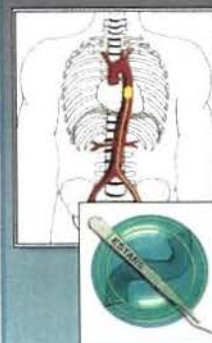
The Versatile Injury Prevention and Embedded Reconditioning (VIPER) program, provided data for the brief entitled "Athletic Trainer Integration in U.S. Air Force Basic Training" (PI: Capt Bryant Webber (59 MDOS)), presented to the 37 Training Wing Commander and the 559 Medical Group Commander. Capt Webber was able to showcase the program and discuss the efforts to improve the quality of care and return to duty status of the trainees. (<http://www.airforcemedicine.af.mil/News/Article/648491/viper-clinic-program-aims-to-reduce-af-physical-training-injuries>)

FORCE  
HEALTH  
PROTECTION



The Trauma-Specific Vascular Injury Shunt (Inventor: Mr. JR Spencer, 59 MDW/ST) was designed by combat surgeons and researchers to manage extremity vascular injury. Research at the 59 MDW has validated the ability of the device to ensure adaptability to patients, minimize complications and allow critical monitoring/infusion of therapeutic (therapeutic reperfusion) or contrast agents (angiography) into an injured limb. This device is in advanced development and AFMS is in negotiations for license agreement and commercialization. The 59 MDW/ST is sponsoring a 510K FDA device submission. <http://techlinkcenter.org/summaries/vascular-injury-shunt>

EXPEDITIONARY  
MEDICINE



The Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA Inventors: Col Todd Rasmussen, MC, USAF MEDCOM USAMRMC and Jonathan Eliason, MD, University of Michigan) is a fluoroscopy-free thoracic aortic balloon occlusion system to control non-compressible hemorrhage and assess the effect of an occluding aorta. Research to develop the device was conducted at the 59 MDW in partnership with the University of Michigan. Application was taught as part of the training course ESTARS (Endovascular Skills for Trauma and Resuscitative Surgery) at the 59 MDW Clinical Research Division (CRD). Members of the 60 MDG (Travis AFB) attended the ESTARS course and collaborated with industry partners and the USAISR to develop a prototype and deliver a FDA Product Development Plan. The device was transitioned to the JPC6 Combat Casualty Care Research Program and development efforts were continued at a 60 MDG. The REBOA device was recently used by an AF surgeon at UC Davis Medical Center to save the life of a trauma victim: <http://www.airforcemedicine.af.mil/News/Article/707343/war-time-innovation-battleborn-medical-device-saves-lives-at-home>

<https://kx.afms.mil/kj/kx8/59MDWScienceAndTechnology/Pages/home.aspx>

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