MEMORANDUM FOR SGVU
ATTN: JOSHUA CALCOTE

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled _59th Medical Wing Clinical Research Division Clinical Investigations Program Posters (Count: 2)_, presented at/published to _Graduate School Faculty Development and Research Symposium, Gateway Club, JBSA-Lackland, 8-9 May 2017_ in accordance with MDWI 41-108, has been approved and assigned local file #17205.

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 a 59 MDW staff member, we can forward your request for funds to the designated Wing POC at the Chief Scientist’s Office, Ms. Alice Houy, office phone: 210-292-8029; email address: alice.houy.civ@mail.mil.

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, Col, USAF, BSC
Director, Clinical Investigations & Research Support

_Warrior Medics — Mission Ready — Patient Focused_
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 (TNSRP); 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:
   a. Print their name, rank/grade, title, sign and date the form in the approving authority's signature block or use an electronic signature.

7. Submit your completed form and all supporting documentation to the CRD for processing (59crdpubspres@us.af.mil). This should be accomplished no later than 30 days before final clearance is required to publish/present your materials. If you have any questions or concerns, contact the 59 CRD/Publications and Presentations Section at 252-7141 for assistance.

8. The 59 CRD/Publications and Presentations Section will route the request form to clinical investigations, 502 ISGJAC (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/CRC. All medical research or technical information publications/presentations must be reported to the Defense Technical Information Center (DTIC). See 59 MDW 41-108, Presentation and Publication of Medical and Technical Papers, for additional information.

11. The Joint Ethics Regulation (JER) DoD 5500.07-R, Standards of Conduct, provides standards of ethical conduct for all DoD personnel and their interactions with other non-DoD entities, organizations, societies, conferences, etc. Part of the Form 3039 review and approval process includes a legal ethics review to address any potential conflicts related to DoD personnel participating in non-DoD sponsored conferences, professional meetings, publication/presentation disclosures to domestic and foreign audiences, DoD personnel accepting non-DoD contributions, awards, honoraria, gifts, etc. The specific circumstances for your presentation will determine whether a legal review is necessary. If you (as the author) or your supervisor check "NO" in block 17 of the Form 3039, your research or technical documents will not be forwarded to the 502 ISGJAC legal office for an ethics review. To assist you in making this decision about whether to request a legal review, the following examples are provided as a guideline:

   For presentations before professional societies and like organizations, the 59 MDW Public Affairs Office (PAO) will provide the needed review to ensure proper disclaimers are included and the subject matter of the presentation does not cause any conflict for DoD concerns.

   If the sponsor of a conference or meeting is a DoD entity, an ethics review of your presentation is not required, since the DoD entity is responsible to obtain all approvals for the event.

   If the sponsor of a conference or meeting is a non-DoD commercial entity or an entity seeking to do business with the government, then your presentation should have an ethics review.

   If your travel is being paid for (in whole or in part) by a non-Federal entity (someone other than the government), a legal ethics review is needed. These requests for legal review should come through the 59 MDW Grants and Gifts Office to 502 ISGJAC.

   If you are receiving an honorarium or payment for speaking, a legal ethics review is required.

   If you (as the author) or your supervisor check "YES" in block 17 of the Form 3039, your research or technical documents will be forwarded simultaneously to the 502 ISGJAC legal office and PAO for review to help reduce turn-around time. If you have any questions regarding legal reviews, please contact the legal office at (210) 671-5796/3386, DSN 473.

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_AF4 40-402."

NOTE: All abstracts, papers, posters, etc., should contain the following disclaimer statement for research involving animals, as required by AFMAN 40-401 IP:
"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."
TO: CLINICAL RESEARCH

FROM: Calcote, Joshua - Contractor, 59 MDW/SGVU

STUDENT: GME/GHSE

PROTOCOL NUMBER:

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.

TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED:
59th Medical Wing Clinical Research Division Clinical Investigations Program Posters (Count: 2)

FUNDING RECEIVED FOR THIS STUDY?

DO YOU NEED FUNDING SUPPORT FOR PUBLICATION PURPOSES:

IS THIS MATERIAL CLASSIFIED?

IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRADA), MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUAL PROPERTY RIGHTS AGREEMENT ETC.?

MATERIAL IS FOR:

CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.

HAVE YOU ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?

EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC

DATE

IS A 502 ISGUAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)?

I CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-461, JP, AND 59 MDW 41-106. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.

AUTHORSHIP AND CO-AUTHOR(S) LIST IN THE ORDER THEY WILL APPEAR IN THE MANUSCRIPT.

LAST NAME, FIRST NAME AND M.I.
GRADE/RANK
SQUADRON/GROUP/Office SYMBOL
INSTITUTION (IF NOT 59 MDW)
**PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS**

1st ENDORSEMENT (59 MDW/SGVU Use Only)

| TO: Clinical Research Division 59 MDW/CRD Contact 292-7141 for email instructions. | 24. DATE RECEIVED | 25. ASSIGNED PROCESSING REQUEST FILE NUMBER |
| | April 17, 2017 | 17205 |

26. DATE REVIEWED

April 17, 2017

28. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES: ☒ NO ☐ YES If yes, give date: ☐ N/A

29. COMMENTS ☒ APPROVED ☐ DISAPPROVED

Non research presentation of CRD capabilities. Approved

30. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER

Kevin Kupferer/GS13/Human Research Subject Protection Expert

31. REVIEWER SIGNATURE

KUPFERER KEVIN R. 1066697270

32. DATE

April 17, 2017

2nd ENDORSEMENT (502 ISG/ Jac Use Only)

33. DATE RECEIVED

34. DATE FORWARD ED TO 59 MDW/PA

35. COMMENTS ☐ APPROVED (In compliance with security and policy review directives.) ☐ DISAPPROVED

36. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER

37. REVIEWER SIGNATURE

38. DATE

3rd ENDORSEMENT (59 MDW/PA Use Only)

39. DATE RECEIVED

April 17, 2017

41. COMMENTS ☒ APPROVED (In compliance with security and policy review directives.) ☐ DISAPPROVED

Please add disclaimer to both posters.

"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"

Once added, the presentations are approved and cleared for public release by Public Affairs.

40. DATE FORWARD ED TO 59 MDW/SGVU

April 18, 2017

42. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER

Kevin Innuna, SSgt/E-5, 59 MDW Public Affairs

43. REVIEWER SIGNATURE

INUMA KEVIN MITSUGU 1290223 613

44. DATE

April 18, 2017

4th ENDORSEMENT (59 MDW/SGVU Use Only)

45. DATE RECEIVED

46. SENIOR AUTHOR NOTIFIED BY PHONE OF APPROVAL OR DISAPPROVAL

☑ YES ☐ NO ☐ COULD NOT BE REACHED ☐ LEFT MESSAGE

47. COMMENTS ☐ APPROVED ☐ DISAPPROVED

48. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER

49. REVIEWER SIGNATURE

50. DATE

Kevin Innuna, SSgt/E-5, 59 MDW Public Affairs

59 MDW FORM 3039, 20160628

PREVIOUS EDITIONS ARE OBSOLETE

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59th Medical Wing Clinical Research Division

CLINICAL INVESTIGATIONS PROGRAM

SUPPORTED RESEARCH

"Non-Human Research Subject Blood Donor Initiative" – LT. Linda Harris – Author: Erica Deen

The non-human research subject blood donor initiative, designed by the CRD, created a significant reduction in the number of animals required to support trauma-related protocols. One of the protocols that Clinical Investigations Facilities could drastically reduce the number of animals required to support trauma-related research.

"Use of Miniature Marshmallows to Reduce Stress, Enhance Safety, and Increase Efficiency When Working With Stutter Moisture Sensitive" – LT. Linda Harris – Author: Erica Deen

Simpliar marshmallows softer with people and miniature marshmallows are easily trained to perform simple head-down behaviors such as standing still or walking from one cage to another. These behaviors minimize the need for physical handling thereby reducing stress, decreasing procedure time, and enhancing safety.

"The Frequency of Fungal Culture Contamination in Normal Enteric versus Periodic Acid Schiff (PAS) and Grocott's Methenamine Silver (GMS) Stains in the Diagnosis of Cryptococcus" – LT. Sherman McCarr

Cryptococcus is a common worldwide pathogen identified in 1% of the population. This study used cultures and special stains of blood culture to determine contamination of normal samples (before collection); being maintained as Cryptococcus, it aggravates to the level of contamination, and what are the organisms isolated in the clinically normal range.

"Brain Magnetic Resonance Imaging (MRI) and Neuropathological Effects of Hypobaric Exposure to 30,000 Feet and Hypoxic Exposure at Sea Level in Miniature Swine" – LT. Col Paul Sherman

This study utilized miniature swine, a hypoxic chamber, and an MRI to safety and effectively demonstrate white matter injury (brain MRI changes) seen with high altitude (hypoxic) exposure in America's high altitude pilots and the observers who screen in the

The views expressed are those of the author(s)/presenters and do not affect the official views or policy of the Department of Defense or its Components.
"Brain Magnetic Resonance Imaging (MRI) and Neuropathological Effects of Hypobaric Exposure to 30,000ft and Hyperoxemic Exposure at Sea Level in a Sus scrofa domestica model"

Principal Investigator:
Col Paul Sherman, MD

Description:
In a continuing effort to demonstrate white matter injury seen with hypobaric exposure in our high altitude pilots and aerospace physiology altitude chamber inside-observers, 36 swine in 3 limbs were exposed to pre-determined altitude and O2 levels 6 times over 3 weeks and underwent 3 MRI scans each. Unlike previous studies, these swine are non-sedated and alert during exposure. Neuroradiologic analysis and necropsy with neuropathological evaluation were performed on each animal.

This study utilized miniature swine, a hypobaric chamber, and an MRI to safely and effectively demonstrate white matter injury (brain MRI changes) seen with high altitude (hypobaric) exposure in America's high altitude pilots and the observers who assist in the aerospace physiology chambers.

CRD Support: hypobaric chamber; specialized pre/post-flight animal cages; surgical suites; swine models; surgical technicians; pre/post-surgical care; pathology; laboratory support

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