MEMORANDUM FOR SGDTG
ATTN: LCDR DANIEL J. FUHRMANN

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled Stainless Steel Crown Placement Utilizing the Hall Technique presented at/published to HINMAN Dental Society, 33 Lenox Pointe NE, Atlanta, GA, 23-25 March 2017 in accordance with MDWI 41-108, has been approved and assigned local file #17124.

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
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 MDWIRB 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 ISGUAC (Ethics Review) and Public Affairs (59 MDWIFA) 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/CIC. All medical research or technical information publications/presentations must be reported to the Defense Technical Information Center (DTIC). 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)] [presenters] 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. 85-23, Guide for the Care and Use of Laboratory Animals and the Animal Welfare Act of 1966, as amended."
1. TO: CLINICAL RESEARCH  
2. FROM: (Author's Name, Rank, Grade, Office Symbol)  
   DANIEL J. FUHRMANN, LCDR, SGDTG  
3. GME/GHSE STUDENT: YES NO  
4. PROTOCOL NUMBER:  
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.)  
   Stainless Steel Crown Placement Utilizing the Hall Technique  
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PREVIOUS EDITIONS CURRENTLY IN USE CAN BE USED
ALL OTHERS ARE OBSOLETE
Stainless Steel Crown Placement Utilizing the Hall Technique
"The views expressed are those of the presenter and do not reflect official views or policy of the Department of Defense, or its Components or USUHS."
Indications for SSC Placement

- Restoration of primary molars requiring large multi-surface restorations
- Restoration of primary molars in children with rampant caries
- Restoration of teeth after pulp therapy
- Restoration of teeth with developmental defects
- Abutments for space maintainers
Traditional Technique

- Local Anesthetic
- Removal of Adequate Tooth Structure
- Complete Caries Removal
- Glass Ionomer Cementation
Traditional Technique

Pre-op
Occlusal Reduction
Interproximal Reduction
Caries Removal
Final Restoration

Photo Credit: to Dr. Weingler
Hall Technique

- No Local Anesthetic
- No Caries Removal
- No Tooth Preparation

Separator to facilitate SSC insertion
Hall Technique

- Developed by Dr. Hall in United Kingdom Private Practice Setting
- Utilizes more minimally invasive/minimal intervention approach
  - Caries can be slowed, arrested, or even reversed if properly sealed
- Similar survival rates to traditional SSC's have been observed

Case Selection for Hall Technique

Contraindications

- Signs or symptoms of irreversible pulpitis or necrosis
- Clinical or radiographic signs of pulpal involvement, or periapical pathology
- Teeth diagnosed as non-restorable due to limited remaining tooth structure
Case Selection for Hall Technique

Indications:
- Class I lesions with pits unable to accept conventional restoration
- Class II lesions (both cavitated and noncavitated)
- Hall Technique and Traditional Technique (Mid 90% Success Rates)
- High degree of acceptance by pediatric patients and practitioners
- Most failures occur within first 24 months (Both Techniques)
Clinical Photos

1. Selection of tooth
2. Separation required
3. Separator in place

[Images of teeth with separators]
Clinical Photos

4. Selection of appropriate SSC
5. Sealing SSC
6. Insertion of cement
7. Final cementation photo
Bibliography


QUESTIONS?