

60th Medical Group (AMC), Travis AFB, CA

INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC)

FINAL REPORT SUMMARY

(Please type all information. Use additional pages if necessary.)

PROTOCOL #: FDG20150023A

DATE: 7 May 2018

PROTOCOL TITLE: "General Surgery Training in Animal Models (Pig, *Sus scrofa*; and Sheep, *Ovis aries*), Including Advanced Laparoscopic Procedures and Cardiovascular Interventions."

PRINCIPAL INVESTIGATOR (PI) / TRAINING COORDINATOR (TC): Lt Col Michael Rawlins

DEPARTMENT: SGSC

PHONE #: 707-423-5188

INITIAL APPROVAL DATE: 18 June 2015

LAST TRIENNIAL REVISION DATE: 18 May 2017

FUNDING SOURCE: SG

1. RECORD OF ANIMAL USAGE:

Animal Species:	Total # Approved	# Used this FY	Total # Used to Date
<i>Sus scrofa</i>	270	35	125
<i>Ovis aries</i>	20	0	0

2. PROTOCOL TYPE / CHARACTERISTICS: (Check all applicable terms in **EACH column)**

- Training: Live Animal Medical Readiness Prolonged Restraint
 Training: non-Live Animal Health Promotion Multiple Survival Surgery
 Research: Survival (chronic) Prevention Behavioral Study
 Research: non-Survival (acute) Utilization Mgt. Adjuvant Use
 Other () Other (Treatment) Biohazard

3. PROTOCOL PAIN CATEGORY (USDA): (Check applicable) C D E

4. PROTOCOL STATUS:

***Request Protocol Closure:**

- Inactive, protocol never initiated
 Inactive, protocol initiated but has not/will not be completed
 Completed, all approved procedures/animal uses have been completed

5. Previous Amendments:

List all amendments made to the protocol. **IF none occurred, state NONE. Do not use N/A.**

For the Entire Study Chronologically

Amendment Number	Date of Approval	Summary of the Change
1	19 Nov 15	Procedures
2	3 Jun 16	Personnel
3	15 Jul 16	Personnel

4	25 Aug 16	Personnel
5	7 Oct 16	Personnel
6	6 Mar 17	Personnel
7	31 Mar 17	Personnel
8	31 May 17	Personnel

6. **FUNDING STATUS:** Funding allocated: \$60,375.00 Funds remaining: \$0.00

7. **PROTOCOL PERSONNEL CHANGES:**

Have there been any personnel/staffing changes (PI/CI/AI/TC/Instructor) since the last IACUC approval of protocol, or annual review? Yes No

If yes, complete the following sections (Additions/Deletions). For additions, indicate whether or not the IACUC has approved this addition.

ADDITIONS: (Include Name, Protocol function - PI/CI/AI/TC/Instructor, IACUC approval - Yes/No)

<u>NAME</u>	<u>PROTOCOL FUNCTION</u>	<u>IACUC APPROVAL</u>
Lt Col Timothy Williams	PI	Yes
Maj Joseph Pugh	AI	Yes
Maj Jane Alston	AI	Yes
Maj Erik DeSoucy	AI	Yes
Capt Emily Tibbits	AI	Yes
Capt Meryl Simon Logan	AI	Yes
Lt Col Michael Rawlins	PI	Yes

DELETIONS: (Include Name, Protocol function - PI/CI/AI/TC/Instructor, Effective date of deletion)

<u>NAME</u>	<u>PROTOCOL FUNCTION</u>	<u>DATE OF DELETION</u>
Maj Sean Martin	PI	3 June 2016
Maj Lucas Neff	AI	3 June 2016
Col Rachel Hight	AI	25 August 2016
Lt Col Mary Guye	AI	6 March 2017
Maj Toree McGowan	AI	31 March 2017
Lt Col Timothy Williams	PI	31 May 2017
Maj Ashad Bachelani	AI	31 May 2017
Lt Col Travis Gerlach	AI	31 May 2017
Col James Sampson	AI	31 May 2017
Capt Rachel Russo	AI	31 May 2017
Maj Norman Zellers	AI	31 May 2017
Maj Erik DeSoucy	AI	31 May 2017
Capt Emily Tibbits	AI	31 May 2017
Capt Meryl Simon Logan	AI	31 May 2017

8. PROBLEMS / ADVERSE EVENTS: Identify any problems or adverse events that have affected study progress. Itemize adverse events that have led to unanticipated animal illness, distress, injury, or death; and indicate whether or not these events were reported to the IACUC.

NONE REPORTED

9. REDUCTION, REFINEMENT, OR REPLACEMENT OF ANIMAL USE:

REPLACEMENT (ALTERNATIVES): Since the last IACUC approval, have alternatives to animal use become available that could be substituted in this protocol without adversely affecting study or training objectives?

NO, Alternatives have not become available

REFINEMENT: Since the last IACUC approval, have any study refinements been implemented to reduce the degree of pain or distress experienced by study animals, or have animals of lower phylogenetic status or sentience been identified as potential study/training models in this protocol?

NO, no study refinements have been implemented

REDUCTION: Since the last IACUC approval, have any methods been identified to reduce the number of live animals used in this protocol?

NO, no methods have been identified to reduce the number of live animals used in this protocol

10. PUBLICATIONS / PRESENTATIONS: (List any scientific publications and/or presentations that have resulted from this protocol. Include pending/scheduled publications or presentations).

None expected, protocol is for surgery resident training of practical skills

11. PROTOCOL OBJECTIVES: (Were the protocol objectives met, and how will the outcome or training benefit the DoD/USAF?)

Yes, the objectives were met. The surgery residents were well educated regarding open trauma procedure and laparoscopic general surgery procedures. This further trained USAF general surgery residents and UC Davis civilian partnership residents. The protocol added great strength to the residency training program.

12. PROTOCOL OUTCOME SUMMARY: (Please provide, in "ABSTRACT" format, a summary of the protocol objectives, materials and methods, results - include tables/figures, and conclusions/applications.)

Objectives: To provide surgery residents education platform for open trauma procedure and laparoscopic general surgery procedures.

Methods: Live animal pig models were used for resident education training labs for open trauma procedure and laparoscopic general surgery procedures.

Results: Maximum resident education benefit was achieved utilizing the live animal lab model.

Conclusion: This study trained USAF general surgery residents and UC Davis civilian partnership residents. The protocol added great strength to the residency training program.

MICHAEL L. RAWLINS, Lt Col, USAF, MC
Primary Investigator

(Date)

Attachments:

Attachment 1: Defense Technical Information Center (DTIC) Abstract Submission **(Mandatory)**

Attachment 1

Defense Technical Information Center (DTIC) Abstract Submission

This abstract requires a brief (no more than 200 words) factual summary of the most significant information in the following format: Objectives, Methods, Results, and Conclusion.

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