

AWARD NUMBER: W81XWH-17-1-0532

TITLE: Multicenter Randomized Trial of Everolimus in Pediatric Heart Transplantation

PRINCIPAL INVESTIGATOR: Sleeper, Lynn A.

CONTRACTING ORGANIZATION: Boston Children's Hospital, Boston, MA

REPORT DATE: OCTOBER 2021

TYPE OF REPORT: Annual

PREPARED FOR: U.S. Army Medical Research and Materiel Command
Fort Detrick, Maryland 21702-5012

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REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

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|---|--------------------|---------------------|-----------------------------------|----------------------------|--|--|
| 1. REPORT DATE OCTOBER 2021 | | | 2. REPORT TYPE Annual | | 3. DATES COVERED 9/15/20 - 9/14/21 | |
| 4. TITLE AND SUBTITLE Multicenter Randomized Trial of Everolimus in Pediatric Heart Transplantation | | | | | 5a. CONTRACT NUMBER W81XWH-17-1-0532 | |
| | | | | | 5b. GRANT NUMBER | |
| | | | | | 5c. PROGRAM ELEMENT NUMBER | |
| 6. AUTHOR(S) Lynn A. Sleeper, ScD | | | | | 5d. PROJECT NUMBER | |
| | | | | | 5e. TASK NUMBER | |
| | | | | | 5f. WORK UNIT NUMBER | |
| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Children's Hospital Corporation, The Office of Sponsored Programs 300 Longwood Ave Boston, MA 02115-5724 | | | | | 8. PERFORMING ORGANIZATION REPORT NUMBER | |
| 9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Materiel Command Fort Detrick, Maryland 21702-5012 | | | | | 10. SPONSOR/MONITOR'S ACRONYM(S) | |
| | | | | | 11. SPONSOR/MONITOR'S REPORT NUMBER(S) | |
| 12. DISTRIBUTION / AVAILABILITY STATEMENT Approved for Public Release; Distribution Unlimited | | | | | | |
| 13. SUPPLEMENTARY NOTES | | | | | | |
| 14. ABSTRACT TEAMMATE is a multicenter randomized clinical trial of a novel immunosuppressive therapy that is studying children who have undergone recent heart transplantation. The primary goal is to determine whether a new rejection treatment (everolimus and low-dose tacrolimus) can reduce or prevent complications of transplant, including rejection, coronary artery disease, and kidney disease, when compared to usual care (tacrolimus and mycophenolate mofetil). The secondary goal is to acquire FDA approval of the first immunosuppression regimen for pediatric heart transplantation. The primary trial endpoint is a validated surrogate measure—the major adverse transplant event (MATE) score—which efficiently predicts long-term survival, and that has been accepted by the FDA (IND# 127980). The trial is being conducted at 25 centers, with leadership at Boston Children's Hospital (Data Coordinating Center) and Stanford University (Clinical Coordinating Center). At the time of this annual report, enrollment is complete and the target has been met, with 211 patients randomized (60 in the last year). Each participant will be followed for 30 months. Additional accomplishments in Year 03 include one in-person Protocol Certification Training; successful execution of one Data and Safety Monitoring Board meeting; national presentation of research on everolimus dosing, baseline characteristics and recruitment strategies; and the continuation of endpoint adjudication and regulatory/data audit site visits. | | | | | | |
| 15. SUBJECT TERMS Heart transplantation; children; immunosuppression; randomized clinical trial | | | | | | |
| 16. SECURITY CLASSIFICATION OF: | | | 17. LIMITATION OF ABSTRACT | 18. NUMBER OF PAGES | 19a. NAME OF RESPONSIBLE PERSON | |
| a. REPORT | b. ABSTRACT | c. THIS PAGE | | | USAMRMC | |
| Unclassified | Unclassified | Unclassified | Unclassified | 22 | 19b. TELEPHONE NUMBER (include area code) | |

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TEAMMATE is a multicenter randomized clinical trial of a novel immunosuppressive therapy that is studying children who have undergone recent heart transplantation. The primary goal is to determine whether a new rejection treatment (everolimus and low-dose tacrolimus) can reduce or prevent complications of transplant, including rejection, coronary artery disease, and kidney disease, when compared to usual care (tacrolimus and mycophenolate mofetil). The secondary goal is to acquire FDA approval of the first immunosuppression regimen for pediatric heart transplantation. The primary trial endpoint is a validated surrogate measure—the major adverse transplant event (MATE) score—which efficiently predicts long-term survival, and that has been accepted by the FDA (IND# 127980). The trial is being conducted at 25 centers, with leadership at Boston Children's Hospital (Data Coordinating Center) and Stanford University (Clinical Coordinating Center). At the time of this annual report, enrollment is complete and the target has been met, with 211 patients randomized (60 in the last year). Each participant will be followed for 30 months. Additional accomplishments in Year 03 include one in-person Protocol Certification Training; successful execution of one Data and Safety Monitoring Board meeting; national presentation of research on everolimus dosing, baseline characteristics and recruitment strategies; and the continuation of endpoint adjudication and regulatory/data audit site visits.

TABLE OF CONTENTS

| | <u>Page</u> |
|--|-------------|
| 1. Introduction | 1 |
| 2. Keywords | 1 |
| 3. Accomplishments | 2 |
| 4. Impact | 6 |
| 5. Changes/Problems | 7 |
| 6. Products | 9 |
| 7. Participants & Other Collaborating Organizations | 12 |
| 8. Special Reporting Requirements | 17 |
| 9. Appendices | 18 |

1. INTRODUCTION: *Narrative that briefly (one paragraph) describes the subject, purpose and scope of the research.*

Median survival after pediatric heart transplantation is only 15 years in the current era, due to the occurrence of late complications after heart transplant, most of which stem from the medications used to suppress the immune system in order to prevent graft rejection. While graft survival has improved significantly with the current standard of care, tacrolimus (TAC) and mycophenolate mofetil (MMF), most of the improvement has come from a reduction in early mortality. Preliminary studies suggest that everolimus in combination with low-dose TAC may prevent rejection, coronary artery disease, and kidney failure more effectively than TAC-MMF. However, these studies are limited by single-center design, inconsistent endpoint definitions and use of historical controls. In contrast to adults, children have a substantially longer *potential* life expectancy in the absence of late transplant complications, making the prevention of such complications an urgent priority for the pediatric heart transplant community

The research that is the subject of this report, the TEAMMATE trial, is a multicenter randomized clinical trial of a novel immunosuppressive therapy that is studying a target of 210 children who have undergone recent heart transplantation. The primary goal is to determine whether a new rejection treatment (everolimus and low-dose TAC) can reduce or prevent complications of transplant when compared to usual care (TAC-MMF). The secondary goal is to acquire FDA approval of the first immunosuppression regimen for pediatric heart transplantation. The primary trial endpoint is a validated surrogate measure—the major adverse transplant event (MATE) score—which efficiently predicts long-term survival, and that has been accepted by the FDA (IND# 127980). The trial is being conducted at 25 centers, with leadership at Boston Children’s Hospital (Data Coordinating Center) and Stanford University (Clinical Coordinating Center).

This trial has high military relevance: 1) pediatric heart transplant is most often performed in those with congenital heart disease, which may be more common in military families due to *in utero* exposures such as hazardous chemicals, poor air quality, ground water contamination, and infectious diseases that may be more prevalent when serving abroad; 2) the evaluation of everolimus may have medical applications for treating military injuries that require a vascular composite allograft, such as hand transplantation; and 3) proliferation signal inhibitors (such as everolimus) are uniquely known for their ability to alter healing of human tissues, and therefore may provide insights into mechanistic pathways necessary to expedite wound healing.

2. KEYWORDS: *Provide a brief list of keywords (limit to 20 words).*

Children, heart transplant, immunosuppression, randomized clinical trial, everolimus

3. ACCOMPLISHMENTS:

What were the major goals of the project?

The OVERALL AIM of the research is to execute a multicenter randomized trial enrolling 210 pediatric heart transplant recipients from 25 sites to evaluate the efficacy, safety and tolerability of everolimus+low-dose tacrolimus and to secure its FDA approval.

Major Tasks per SOW include:

- | | |
|--|-----------------|
| 1. Regulatory & Contractual Activities required for Study Launch | Months -6 to 3 |
| 2. Prepare Study Staff and Systems to Execute Trial | Months 1 to 3 |
| 3. Participant Recruitment | Months 4 to 18 |
| 4. Participant Follow-up and Evaluation | Months 4 to 48 |
| 5. Study Closeout and Analysis | Months 36 to 48 |

Shaded rows indicate tasks completed at time of last Annual Report.

Table 1. Statement of Work Tasks and Completion Status

| Major Task 1: Regulatory & Contractual Activities required for Study Launch | Timeline (mo) | Status |
|---|---------------|--|
| Subtask 1: Obtain regulatory approvals for study protocol | | |
| Submit final protocol to U.S. FDA for review and approval of amendments to Investigational New Drug (IND) application #127980 | -6 to -3 | ✓ 11/20/17 |
| Submit final protocol for Military IRB (ORP/HRPO) review and approval | -3 to 0 | ✓ 9/21/17 (v1) |
| Coordinate with Sites for IRB submission of protocol and ICF | 1-3 | ✓ 25 fully approved, +2 terminated |
| DSMB organizational and protocol review meeting, arranged by DCC | 2 | ✓ 11/01/17 |
| Submit amendments, adverse events and protocol deviations as needed | As Needed | Amendment #26 approved 05/25/21 |
| Submit annual single IRB report for continuing review | Annually | ✓ |
| <i>Milestone Achieved: Approval by Military HRPO and FDA</i> | 1 | ✓ |

| | | |
|---|-----------|--|
| <i>Milestone Achieved: Local IRB approval at Study Sites and Angio Core Laboratory</i> | 3 | COMPLETE |
| Subtask 2: Execute financial agreements / subawards | | |
| Coordinate with CCC, 25 Sites (22 original, 5 new, minus 2 terminated = 25 currently) and Core Lab to execute Subcontracts/ CTAs | 1-3 | ✓ 26 fully executed, 2 terminated |
| Execute Consultant Agreements with Adjudication Committee members | 1-3 | ✓ |
| <i>Milestone Achieved: All Subcontracts and Consultant Agreements executed</i> | 1-3 | COMPLETE |
| Major Task 2: Prepare Study Staff and Systems to Execute Trial | | |
| Subtask 1: Training of Research Staff | | |
| DCC/CCC to conduct in-person training session for certification on study protocol | 2-3 | ✓ 11/10/17 in Anaheim, CA; 7/19/18 in Palo Alto, CA 1/11/19 in Boston, MA |
| DCC/CCC to conduct webinars for SCs to review study protocol procedures | 2-3 | ✓ (occurs monthly) |
| Angio Core Lab to conduct webinar with site angiographers and site study coordinators regarding data transfer and image acquisition | 3 | ✓ (held 2/1/18) |
| Adjudication Committee webinar to standardize AE review procedures | 3 | ✓ (calls held throughout 2018, 2019 & Feb 2020) |
| Retrain site study coordinators/Train new coordinators as needed via Webinar | As Needed | ✓ 77 Study & Transplant Coords + 35 PIs trained |

| | | |
|---|------|--|
| <i>Milestone Achieved: Research staff trained</i> | 3 | COMPLETE |
| Subtask 2: Build Trial materials and communications and database system | | |
| Finalize case report forms, including pilot testing with core site SCs | 1-3 | ✓ 53 CRFs finalized |
| Create Trial and Angio Core Lab Manuals of Operation (MOO) | 2-3 | ✓ |
| Develop Administrative website to post trial materials and secure documents | 1-3 | ✓ |
| Develop and test database management and randomization systems | 2-3 | ✓ 53 of 53 CRFs in use (100%) |
| Angio Core Lab to obtain license from Ambra Health for secure image transfer | 1 | ✓ 12/14/17 |
| <i>Milestone Achieved: Study systems developed and functional for trial launch</i> | 3 | COMPLETE |
| Major Task 3: Participant Recruitment | | |
| Site Study Coordinators screen records for eligibility and randomize consented patients; CCC on call for eligibility questions from sites | 4-18 | 722 screened Complete- 211 randomized of 210 Target ✓ |
| Teleconference with SCs every other week and site PIs monthly | 4-18 | ✓ |
| <i>Milestone Achieved: Recruitment and randomization of 210 participants</i> | 18 | COMPLETE |
| Major Task 4: Participant Follow-up and Evaluation (0,3,6,9,12,18,24,30 mo post-randomization) | | |
| Subtask 1: Data collection - Complete participant study visits | | |
| Complete required study visits, including QOL/functional status assessments | 4-48 | Ongoing |
| Obtain prescription records from local pharmacies to monitor compliance | 4-48 | Ongoing |
| Submit participant clinical data to DCC database management system | 4-48 | Ongoing |

| | | |
|---|-----------|---|
| De-identify angiograms and submit to Angio Core Lab | 4-48 | Ongoing |
| Collect blood/urine samples for ancillary studies, if funded | 4-48 | Agreements in process to initiate collection (10 completed) |
| Submit adverse event reports to DCC and local IRB (if applicable) per required time frames | As needed | Ongoing |
| <i>Milestone Achieved: Data collection complete</i> | 48 | CONTINUING |
| Subtask 2: Event Reporting and Monitoring, Quality Assurance and Centralized Assessments | | |
| DCC securely posts SAEs and Committee submits adjudications | 7-30 | Ongoing |
| DCC submits SAEs to DoD and DSMB per required time frames | 7-30 | Ongoing |
| DSMB reviews 6-mo outcomes of first 5 participants assigned to EVL/LDTAC | 10 | ✓ Mtg held 10JAN2019 |
| ACL performs angio readings and submits assessments to DCC | 10-33 | Ongoing |
| Site visits and data audits performed in person, 1 per site and for-cause; | 12-40 | Ongoing; 2 of 25 remaining |
| Ongoing monitoring of site and ACL data quality and completeness by DCC | | Ongoing |
| Write and publish trial design manuscript prior to interim look | 8-14 | Pending |
| DSMB meeting for one interim look at efficacy outcome (estimated timing) | 30 | Mtg held 11DEC2020 |
| DCC coordinates DSMB meetings, prepares and securely post reports | 10-43 | Ongoing |
| <i>Milestone Achieved: Standardized assessments and QA/QC measures executed</i> | 48 | CONTINUING |
| Major Task 5: Study Closeout and Analysis | | |
| Subtask 1: Study Closeout | | |
| DCC collects all outstanding data & queries from Sites, ACL, Adjudication. Committee | 42-48 | |

| | | |
|--|---------|----------------------------------|
| All trial parties request extension of protocol duration to local IRBs** to permit analyses in fifth year | 45 | Continuing review approved |
| Secure (Foundation, Industry) funds for extended analysis period | 36-48 | Submitted IIR application 9/2021 |
| <i>Milestone Achieved: Complete high quality trial data from all sources</i> | 48 | |
| Subtask 2: Analysis and Dissemination | | |
| Statistical analysis for annual regulatory reports, investig & DSMB meetings | 10-48 | Ongoing |
| Statistical analysis programs developed for final results manuscript using dummy randomization and pre-specified table/figure shells from SAP | 36-48 | |
| Identify targets for dissemination of results (presentations, publications,web) | 36-48 | |
| <i>Milestone Achieved: Analyses performed and dissemination targets identified</i> | 48 | |
| Major Task 6: Writing and publication of results manuscripts (extension year, post-Award end) with carryover and ancill. funding (Foundation, Industry) | (49-60) | |

What was accomplished under these goals?

In this Reporting Period (Year 4), trial execution has proceeded successfully on many fronts.

Study Sites: *Business agreements with all 24 (non-BCH) study sites and core laboratory are renewed each year. A Central IRB and full Reliance is in use for 24 of 25 sites.*

Communications: *Biweekly Operations Committee, monthly Executive Committee and monthly Steering Committee and Study Coordinator conference calls are held.*

Protocol Execution and Monitoring: *The InForm database management system, randomization system, and core laboratory and event adjudication systems are in full use. Two DSMB meetings were held in Year 04 (Dec 2020 and Sept 2021). Qualifying SAEs are sent to the DSMB Chair in real time as needed. A total of 23 of the 25 regulatory/data audit site visits have occurred to date.*

Trial Tools:

a) The informed consent videos produced in Y01 (English) and in Y02 (Spanish) as an informational tool for families, are described and available at <http://med.stanford.edu/teammate.html>, <https://www.youtube.com/watch?v=KnWwkHUZCv8>.

The informed consent videos in English and Spanish acquired over 500 hits during the recruitment period.

b) A video demonstrating the preparation procedure for liquid everolimus to be used by families with infants and young children randomized to everolimus (created in Y02):

<https://www.youtube.com/watch?v=CO7VtATeofU&feature=youtu.be>

This video had 73 hits. About 25% of the patients in the Everolimus treatment arm are infants/young children (i.e., approximately 30 patients).

Enrollment: Enrollment was completed for the trial in August 2020 (30 months duration). **The final total is 211 participants** (target of 210 (occurred on 31JUL2020), plus one patient who was consented prior to the 210th randomization, who was allowed to proceed to randomization (07AUG2020).

Trial Completion: As of 9/14/21, 85 patients (40%) have completed the trial.

What opportunities for training and professional development has the project provided?

Dr. Daly attended and presented at the American Transplant Congress in June, 2021.

How were the results disseminated to communities of interest?

Not applicable (trial not complete).

What do you plan to do during the next reporting period to accomplish the goals?

1. Continue follow-up of enrolled patients
2. Complete the trial design and baseline characteristics manuscripts
3. Complete the Statistical Analysis Plan (SAP).
4. Continue Adjudication Committee case reviews and submission of scores.
5. Continue Angiography Core Laboratory image reviews and submission of data.
6. Conduct regulatory/data audit site visits at the remaining 2 sites.
7. Conduct a DSMB meeting for assessment of data quality, patient safety, and an interim look at treatment efficacy.

4. IMPACT:

What was the impact on the development of the principal discipline(s) of the project?

This randomized trial has made an impact on the field of pediatric heart transplantation by demonstrating for the first time that a collaborative clinical research network specific to pediatric heart transplantation can be successfully formed to efficiently execute multicenter research studies to improve the management and outcomes of children who have undergone heart transplantation.

What was the impact on other disciplines?

Nothing to report.

What was the impact on technology transfer?

Nothing to report.

What was the impact on society beyond science and technology?

Nothing to report.

5. CHANGES/PROBLEMS:

Changes in approach and reasons for change

No changes in approach during the last reporting period.

Actual or anticipated problems or delays and actions or plans to resolve them

Describe problems or delays encountered during the reporting period and actions or plans to resolve them.

The planned 15-month accrual (enrollment) period required almost 30 months to attain the target sample size. The follow-up period of 30 months per participant is fixed; therefore, we have requested and received a one year no-cost extension (to 9/14/22) to complete the trial. However, the final study visit for the last-enrolled patients will occur in February 2023. *We will require an additional extension to complete follow-up, perform the key analyses for the trial and disseminate the findings.*

We submitted an invited CDMRP Investigator-Initiated Research Award application in September 2021, "*Correlative Studies of Immunophenotype and Memory in the DoD TEAMMATE Trial Cohort*", log PR210559. The proposed studies of immunophenotype (AdV-specific T-cells) and long-term memory/cognition association with tacrolimus will leverage the existing infrastructure of the TEAMMATE network and allow for in-depth analysis of the TEAMMATE cohort and dissemination of publications.

Changes that had a significant impact on expenditures

Enrollment for TEAMMATE required an additional 14-15 months; therefore, the expenditures to reimburse study sites for end-of-study milestone payments to sites planned for Y04 as well as event adjudication costs will now occur in the recently approved no-cost extension year.

Significant changes in use or care of human subjects, vertebrate animals, biohazards, and/or select agents

Significant changes in use or care of human subjects

- The trial protocol has had 26 amendments approved and 1 withdrawn. Amendment #26 was approved by the single IRB at Boston Children's Hospital 5/25/21.
- The continuing review to the Central IRB (Boston Children's Hospital) was approved on 03/08/21.
- The continuing review for Columbia University was submitted to the DoD HRPO on 3/19/21. Approval has not yet been received.
- The continuing review for the main protocol approved by the Central IRB (Boston Children's Hospital) was approved by the DoD HRPO on 09/19/21.

Significant changes in use or care of vertebrate animals

Not applicable.

Significant changes in use of biohazards and/or select agents

Not applicable.

6. PRODUCTS: *List any products resulting from the project during the reporting period. If there is nothing to report under a particular item, state "Nothing to Report."*

Publications, conference papers, and presentations

1. **The TEAMMATE Trial: An Update for Patients and Families**

Enduring Hearts Facebook Live!

April 22, 2021

Presenter: Kevin Daly, MD (Trial Co-Chair)

Assistant Professor of Pediatrics, Harvard Medical School

Advanced Cardiac Therapies Program

Dept of Cardiology, Boston Children's Hospital

TEAMMATE was featured in both of these invited talks:

2. **Proliferation Signal Inhibitor Avenue: Use of mTORi/PSI Immunosuppression in Pediatric Heart Transplantation**

Kevin P. Daly, MD

American Transplant Congress 2021: The Road Less Traveled:

Experience with Unique Immunosuppression in Pediatric Transplantation

June 6, 2021

3. **Brayden Andrew Moore Transplant Educational Lecture Heart Transplant Immunosuppression and Steroid-Free Induction Therapy**

Kevin P. Daly, MD (Trial Co-Chair)

Children's of Alabama, University of Alabama at Birmingham

August 10, 2021

See Appendix for published abstracts reported in prior Annual Reports.

Books or other non-periodical, one-time publications.

Nothing to report.

Other publications, conference papers and presentations.

Nothing to report.

Website(s) or other Internet site(s)

The following website went live in October 2018. Its purpose was to promote TEAMMATE Trial visibility and serve as an informational resource to patient families and study centers:

<http://med.stanford.edu/teammate.html>

- **Technologies or techniques**

Nothing to report.

- **Inventions, patent applications, and/or licenses**

Identify inventions, patent applications with date, and/or licenses that have resulted from the research. Submission of this information as part of an interim research performance progress report is not a substitute for any other invention reporting required under the terms and conditions of an award.

Nothing to report.

- **Other Products (presented in past Annual Reports)**

- **A Spanish language version informed consent video** was produced as an informational tool for families: : <https://www.youtube.com/watch?v=KnWwkHUZCv8>
- **An instructional video on Preparation of Liquid Everolimus** was produced for use by families participating in the trial:
<https://www.youtube.com/watch?v=CO7VtATeofU&feature=youtu.be>

7. PARTICIPANTS & OTHER COLLABORATING ORGANIZATIONS

Name: Lynn Sleeper, ScD
 Project Role: PD/PI, PI of DCC
 Researcher Identifier (e.g. ORCID ID): 0000-0002-8055-768X
 Nearest person month worked: 0.75
 Contribution to Project: No change.

Name: Kevin Daly, MD
 Project Role: Co-Investigator, Co-PI of CCC
 Researcher Identifier (e.g. ORCID ID): 0000-0003-4327-1532
 Nearest person month worked: 0.75
 Contribution to Project: No change.

Name: Christopher Almond, MD, MPH
 Project Role: Co-Investigator, Co-PI of CCC
 Researcher Identifier (e.g. ORCID ID): 0000-0001-7136-8337
 Nearest person month worked: 0.75
 Contribution to Project: No change.

Name: Tajinder Pal Singh, MD, MSc
 Project Role: Co-Investigator/Medical Monitor
 Researcher Identifier (e.g. ORCID ID): n/a
 Nearest person month worked: 0.3
 Contribution to Project: No change.

Name: Shelley Miyamoto, MD
 Project Role: Co-Investigator/Director of Angiography Core Laboratory
 Researcher Identifier (e.g. ORCID ID): n/a
 Nearest person month worked: 0.095
 Contribution to Project: No change

Name: Gloria Klein, MS, RD
 Project Role: Project Director of DCC
 Researcher Identifier (e.g. ORCID ID): n/a
 Nearest person month worked: 1.8
 Contribution to Project: No change.

Name: Klejda Nikolli, MPH
 Project Role: Assistant Project Director
 Researcher Identifier (e.g. ORCID ID): n/a
 Nearest person month worked: 1.5
 Contribution to Project: No change.

Name: TBH
Project Role: Sr. Data Manager
Researcher Identifier (e.g. ORCID ID): n/a
Nearest person month worked: 3
Contribution to Project: To replace Ms. McGarigle, who left BCH in February 2021.

Name: Kendra Lagerborg
Project Role: Administrative Coordinator of DCC
Researcher Identifier (e.g. ORCID ID): n/a
Nearest person month worked: 1.5
Contribution to Project: No change.

Name: Jared Wilber
Project Role: Research Assistant
Researcher Identifier (e.g. ORCID ID): n/a
Nearest person month worked: 1.5
Contribution to Project: No change.

Name: Minmin Lu, MS
Project Role: Statistical Programmer
Researcher Identifier (e.g. ORCID ID): n/a
Nearest person month worked: 0.3
Contribution to Project: No change.

Name: Jane Messere, RN
Project Role: Clinical Research Associate
Researcher Identifier (e.g. ORCID ID): n/a
Nearest person month worked: 0.36
Contribution to Project: No change.

Name: Selena Gonzales, MPH
Project Role: Project Manager of the CCC
Researcher Identifier (e.g. ORCID ID): 0000-0003-3744-111X
Nearest person month worked: 3
Contribution to Project: No change.

Name: Joanne Lee, PharmD
Project Role: Pharmacist
Researcher Identifier (e.g. ORCID ID): 0000-0002-8008-6910
Nearest person month worked: 0.3
Contribution to Project: No change.

Name: Joseph Rossano, MD
Project Role: Co-Investigator/Site PI
Researcher Identifier (e.g. ORCID ID): n/a
Nearest person month worked: 0.225
Contribution to Project: No change.

Name: Scott Auerbach, MD
Project Role: Co-Investigator/Site PI
Researcher Identifier (e.g. ORCID ID): 0000-0002-2341-0913
Nearest person month worked: 0.225
Contribution to Project: No change.

Name: Seth Hollander, MD
Project Role: Co-Investigator/Site PI
Researcher Identifier (e.g. ORCID ID): 0000-0002-0818-3150

Nearest person month worked: 0.225
Contribution to Project: No change.

Has there been a change in the active other support of the PD/PI(s) or senior/key personnel since the last reporting period?

Nothing to Report.

What other organizations were involved as partners?

Nothing to Report.

8

COLLABORATIVE AWARDS: *For collaborative awards, independent reports are required from BOTH the Initiating Principal Investigator (PI) and the Collaborating/Partnering PI. A duplicative report is acceptable; however, tasks shall be clearly marked with the responsible PI and research site. A report shall be submitted to <https://ers.amedd.army.mil> for each unique award.*

QUAD CHARTS: *If applicable, the Quad Chart (available on <https://www.usamraa.army.mil>) should be updated and submitted with attachments.*

9. APPENDICES:

Previously published/listed in past Annual Reports:

1. Sleeper LA, Daly KP, Addonizio LJ, Alejos JC, Auerbach S, Bock MJ, Butto A, Carlo WF, Castleberry C, Dreyer WJ, Feingold B, Lamour J, Friedland-Little J, Hollander S, Klein G, Lal A, Pahl E, Peng D, Pietra B, Punnoose AR, Ryan TD, Su J, Sutcliffe DL, Zangwill S, Rossano JW, Almond CS. Recruitment in the TEAMMATE Trial: Observed vs. Expected. Select Abstracts From Cardiology 2020: 23rd Annual Update on Pediatric and Congenital Cardiovascular Disease. *World J Ped Congenit Heart Surg* 2020; 11(2), NP1–NP77.
<https://doi.org/10.1177/2150135120904324>
2. Lee J, Castleberry C, Bock M, Auerbach SR, Rossano JW, Hollander SA, Lal AK, Pahl E, Barkoff L, Klein GL, Almond CS, Sleeper LA, Daly KP. Accuracy of Initial Everolimus Dosing in the TEAMMATE Trial: How Well Does It Work in Pediatric Heart Transplantation? *Circulation* 2019; Abstract 16528, Vol. 140, Suppl_1.
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