



21 October 2021

Dr Jennifer Ha  
Perth Children's Hospital  
15 Hospital Avenue  
Nedlands Western Australia 6009

Dear Dr Ha

**PRN:** RGS000000253  
**Project Title:** 3-Dimensional Printing Assisted Non Invasive Ventilation Masks in Children

Thank you for submitting the above research project for ethical review. This project was reviewed by the Child and Adolescent Health Service Human Research Ethics Committee and was recommended for approval at its meeting on 15 July 2021 subject to some clarifications/requirements.

Your response has been reviewed and I am pleased to advise you that the above research project meets the requirements of the National Statement on Ethical Conduct in Human Research (2007) and ethical approval for this research project has now been granted by Child and Adolescent Health Service Human Research Ethics Committee.

The following documents have been approved for use in this project.

Document	Version	Version	Date
CAHS Participant Safety Checklist for Management of Interventional Research Activity at PCH Clean	3		09/09/2021
DSMB Charter	1		09/09/2021
Mask Fit n Comfort Questionnaire	4		09/09/2021
Participant Information and Consent Form - ParentGuardian Mature Minor - 3D NIV Masks	4		09/09/2021
PICF ParentGuardian Mature Minor	3		04/07/2021
Questionnaire OSA18 n PSQ	4		09/09/2021
Questionnaires	1		18/04/2021
Research Protocol	4		09/09/2021

Ethical approval of this project from Child and Adolescent Health Service Human Research Ethics Committee is valid from 21 October 2021 to 21 October 2024 subject to compliance with the 'Conditions of Ethics Approval for a Research Project' (Appendix A).

The nominated participating site(s) in this project is/are:  
Perth Children's Hospital



Healthy kids, healthy communities

Compassion Excellence Collaboration Accountability Equity Respect

Neonatology | Community Health | Mental Health | Perth Children's Hospital

[Note: If additional sites are recruited prior to the commencement of, or during the research project, the Coordinating Principal Investigator is required to notify the Human Research Ethics Committee (HREC). Notification of withdrawn sites should also be provided to the HREC in a timely fashion.]

A copy of this ethical approval letter must be submitted by all site Principal Investigators to the Research Governance Office or equivalent body or individual at each participating institution in a timely manner to enable the institution to authorise the commencement of the project at its site/s.

**This letter constitutes ethical approval only.** This project cannot proceed at any site until separate site authorisation has been obtained from the Chief Executive or Delegate of the site under whose auspices the research will be conducted.

The Child and Adolescent Health Service Human Research Ethics Committee is registered with the Australian Health Ethics Committee and operates according to the NHMRC National Statement on Ethical Conduct in Human Research and International Conference on Harmonisation – Good Clinical Practice.

The Child and Adolescent Health Service Human Research Ethics Committee Terms of Reference, Standard Operating Procedures, membership and standard forms are available from <https://cahs.health.wa.gov.au/Research/For-researchers/Ethics-and-governance-approval/Applying-to-HREC>. Should you have any queries about the HREC's consideration of your project, please contact the Ethics Office on CAHSethics@health.wa.gov.au.

Yours sincerely



Dr Simon Wood  
Executive Director Medical Services  
On behalf of the Child and Adolescent Health Service Human Research Ethics Committee

## CONDITIONS OF ETHICS APPROVAL FOR A RESEARCH PROJECT

The following general conditions apply to the research project approved by the Human Research Ethics Committee (HREC) and acceptance of ethical approval will be deemed to be an acceptance of these conditions by all project investigators:

1. The responsibility for the conduct of this project lies with the Coordinating Principal Investigator (CPI).
2. The investigators recognise the reviewing HREC is registered with the National Health and Medical Research Council and that it complies with the current version of the National Statement on Ethical Conduct in Human Research.
3. A list of HREC member attendance at a specific meeting is available on request, but no voting records will be provided.
4. The CPI will immediately report anything that might warrant review of ethical approval of the project.
5. The CPI will notify the HREC of any event that requires a modification to the protocol or other project documents and submit any required amendments to approved documents, or any new documents, for ethics approval. Amendments cannot be implemented at any participating site until ethics approval is given.
6. The CPI will submit any necessary reports related to the safety of research participants in accordance with the WA Health Research Governance Standard Operating Procedures.
7. Where a project requires a Data Safety Monitoring Board (DSMB), the CPI's will ensure this is in place before the commencement of the project and notify the HREC. All relevant reports from the DSMB should be submitted to HREC.
8. For investigator-initiated and collaborative research group projects the CPI may take on the role of the sponsor. In this case, the CPI is responsible for reporting to the Therapeutic Goods Administration (TGA) any unexpected serious drug or device adverse reactions, and significant safety issues in accordance with the TGA guidelines.
9. If the project involves the use of an implantable device, the CPI will ensure a properly monitored and up to date system for tracking participants is maintained for the life of the device.
10. The CPI will submit a progress report to the HREC annually from the ethics approval date and notify the HREC when the project is completed at all sites. The HREC can request additional reporting requirements as a special condition of a research project. Ethics approvals are subject to the receipt of these reports and approval may be suspended if the report is not received.
11. The CPI will notify the HREC of his or her inability to continue as CPI and will provide the name and contact information of their replacement. Failure to notify the HREC can result approval for the project being suspended or withdrawn.
12. The CPI will notify the HREC of any changes in investigators and/or new sites that will utilise the ethics approval.
13. The HREC has the authority to audit the conduct of any project without notice if some irregularity has occurred, a complaint is received from a third party or the HREC decides to undertake an audit for quality improvement purposes.
14. The HREC may conduct random monitoring of any project. The CPI will be notified if their project has been selected. The CPI will be given a copy of the monitor's report along with the HREC and Research Governance (RG) Office at the site/s.
15. Complaints relating to the conduct of a project should be directed to the HREC Chair and will be promptly investigated according to the WA Health's complaints procedures.
16. The CPI should ensure participant information and consent forms are stored within the participant's medical record in accordance with the WA Health's Record Keeping Plan.
17. The CPI will notify the HREC of any plan to extend the duration of the project past the expiry date listed above and will submit any associated required documentation. A request for an extension should be submitted prior to the expiry date. One extension of 5 years may be granted but approval beyond this time period may necessitate further review by the HREC.

18. Once the approval period has expired or the project is closed, the CPI will submit a final report. If the report is not received within 30 days the project will be closed and archived.
19. Projects that do not commence within 12 months of the approval date may have their approval withdrawn and the project closed. The CPI must outline why the project approval should remain.
20. The CPI will notify the HREC if the project is temporarily halted or prematurely terminated at a participating site before the expected completion date, with reasons provided. Such notification should include information as to what procedures are in place to safeguard participants.
21. If a project fails to meet these conditions the HREC will contact the CPI to address the identified issues. If, after being contacted by the HREC, the issues are not addressed, the ethics approval will be withdrawn. The HREC will notify the RG Office at each site within WA Health that the project procedures must discontinue, except for those directly related to participant's safety.