To the editors,

Re: Manuscript ID: 74772

This is a letter to request a waver of written consent for all participants whose medical data was included in data analysed for this manuscript.

Data was collected as a retrospective audit from a prospectively recorded unit database of all liver transplant recipients. All data is de- identified.

Ethical Approval was obtained from the Austin Health Human Research Ethics Committee (HREC). Written informed consent was not a requirement for this audit. Please find below the application for an Audit application form stating that implied consent was utilised and that written informed consent was not obtained. Please also find below the final approval form for this application based on the National Statement.

Thank you for your understanding, Yours sincerely

Dr Penelope Hey, on behalf of all authors Liver Transplant unit, Austin Health, 145 Studley Rd, Heidelberg, Victoria, Australia, 3084. Penny.hey@austin.org.au | Tel: +61 413798425 | Fax: +61 3 9496 5310



AUSTIN HEALTH OFFICE FOR RESEARCH

QUALITY IMPROVEMENT ACTIVITY OR AUDIT APPLICATION FORM

⊠ Aι	ription of proposed activity udit uality Improvement Activity		
	nsure		
⊠ Si □ Mu Pleas	of Research Project ngle Site ulti-Site e list all sites: on 1: General Information		
1.1	Reference Number	AUDIT: (Office Use Only)	RISKMANQ: (Please insert RiskmanQ ID for QI applications)
	Project Title	The use of DEXA body compoutcomes following liver tran	osition assessment to predict asplantation
	Short Title/Acronym (if applicable)	DEXA and post-transplant ou	
1.2	Austin Health Principal Inve	estigator	
	Title & Name	Dr Penny Hey	
	Position	Gastroenterologist	
	Department	Gastroenterology	
	Qualifications	MBBS FRACP	
	Office Mailing Address		
	Austin Health Phone Number	0413798425	
	Austin Health E-mail Address	Penny.hey@austin.org.au	
	Alternative E-mail Address	Pennyhey8@gmail.com	
	Relevant Research Experience (Please attach CV)		
1.3	Additional Personnel (add a	dditional tables if required)	
	Title & Name		-
	Position		
	Department		
	Qualifications		
	Office Mailing Address		



Phone Number	
E-mail Address	
Role in this Project	
Relevant Research Experience (Please attach CV)	

1.4 Student Investigator (if applicable)

This section is relevant to students who are not employees of Austin Health and who will be accessing health, personal or sensitive information from Austin Health including that from medical records towards obtaining their Degree. Please complete the details below:

Name	
Role in this project	
University	
Supervisor at Austin Health	-
Postgraduate qualification being completed	
Phone Number	,
E-mail Address	
Agreement being submitted	

1.5 External Applicant (if applicable)

This section is relevant to a person who is not an employee of Austin Health and who will be accessing health, personal or sensitive information from Austin Health including that from medical records. Please identify the position and the organisation that you are affiliated with below:

Name	
Role in this project	
Organisation	
Phone Number	
E-mail Address	
Agreement being submitted (if applicable)	

1.6 Documents for review

Please list all the related documents including their version number and date. E.g. Protocol, Data Collection Tool*, Questionnaire, Consent Form, etc.

*Please include a Data Collection Tool with all audit applications.

Document name	Version Number	Date
Protocol Data collectia fool DKA 1	DXA-1	20/12/2021



	Reason for Undertaking this Activity		
	Higher Degree or Postgraduate Qualification		
	Please specify which degree (if applicable)		
	Part of employee's professional duties/employm Health	ent with Austin	
	Undergraduate Degree		
	Vocational or Qualification requirement		
	Please specify which Vocational or Qualification applicable)	equirement (if	
	Approximate project duration		
ſ	How long is the project expected to take?		☐ less than 1 year
١	They long is the project expected to take:		□ 1 to 2 years*
I			☐ more than 2 years*
			= more than 2 years
	report. on 2: Protocol	÷	
	Rationale & Objectives (maximum 300 work	is)	
	DEXA (Dual-energy x-ray absorptiometry) body and readily available measure of lean mass in paliver transplant workup, all patients routinely unwith additional body composition parameters avamuscle mass as measured on CT scan can predict evaluate the role of DEXA body composition at transplant outcomes including mortality, bacterial length of stay.	tients with chronic dergo DEXA for bon allable. There is emo t post-transplant su ansplant assessme	liver disease. As part of e density assessment, erging evidence that low urvival. This study aims to nt at predicting post-
Γ	Methods- include how the activity will be co	nducted timeline	os number of
	participants, data collection & analysis (ma		
	Timeline (Insert information about timeline Data entry: Data will be exported from prospecti transplant database of all patients undergoing wincluding data cleaning will take several weeks, a project to follow. The project is expected to be collected for patients worked up between 2002 a scanner was used.	of the activity) vely collected data sorkup for liver trans with statistical analy completed within 6 n	stored on the liver splantation. This process vsis and writing of the nonths. Data will be
	Data Collection (Please include information conducted)		s and the control of
	Data will be exported from the liver transplant da	atabase (filemaker).	•
	Data Source (Please specify data collection Filemaker (liver transplant database).	source)	
- 1			



Primary aims (Insert information about primary aims of this project)

- 1. To assess whether pre-transplant sarcopenia, defined by low lean mass on DEXA, predicts mortality and graft failure after liver transplantation.
- 2. To assess whether pre-transplant sarcopenia predicts post-transplant bacterial infections and acute cellular rejection
- 3. To assess whether there is an association between low lean mass on DEXA and longer hospital and ICU length of stay.

Data Analysis (Please provide brief information about data analysis)

Data will be analysed using R software. Survival analysis will be performed using cox proportional hazard regression analysis. Length of stay will be correlated against lean mass parameters.

Data Management (Please include information about how and where the data will be stored)

De-identified data will be stored on a password protected excel document, on a password protected Austin Health computer.

Risks & Burdens The risk and/or burden to participants must be negligible for QI projinclude extensive interviews, lengthy questionnaires, persistent remand personal questions.	
Does the proposed activity impose any additional burden, harm or risk, beyond those associated with routine care?	☐ Yes ⊠ No
If yes, please explain.	

2.4 Overlap with Research

Activities must not involve a deviation from normal standard care, and must not include the assessment of safety/efficacy of a new intervention or device. Any requirement for additional testing, blood or tissue collection, physical or psychological testing, or longer interviews are not considered quality assurance. Similarly, activities must not involve randomisation, or the use of control groups/placebo.

ase of control groups, placebo.		
Does the proposed activity involve any <u>clinically significant</u> <u>departure</u> from the routine clinical care provided to patients?	□ Yes	⊠ No
Does the proposed activity involve randomisation, inclusion of	☐ Yes	⊠ No
control groups, or the use of placebo?		
Does the proposed activity seek to gather information about the	☐ Yes	⊠ No
participant beyond that collected as part of routine care?		
If yes, please explain.		

2.5 Please answer the relevant question:

- 1. How are the findings expected to result in a quality improvement; or
- 2. How will the findings of this audit activity be used?

The findings of this audit activity will aim to be published in a peer-reviewed journal. This aims to improve our understanding on the use of DEXA in defining sarcopenia and predicting patient outcomes.

Section 3: Survey

3.1	Participant Survey or questionnaire (If applicable) If participants are being asked a survey, please answer the following:
W	Number of surveys the participant will have to answer



	The estimated total time required to answer the survey(s)	
	How survey will be distributed?	
	Survey platform to be used (if any) E.g. Qualtrics or REDCap	
	Will you be interviewing staff members or students?	☐ Yes ☐ No
	Copy of survey questions attached	☐ Yes ☐ No
	List the name of each survey that will be administered	
3.2	Consent	
	Will written informed consent be obtained from participants?	☐ Yes ☒ No
	Will verbal and/or implied consent be obtained from participants?	☐ Yes ☒ No
	If yes, please include a copy of the Information Sheet, Consent Form or Verbal Consent Script for review	
Secti	on 4: Privacy	
4.1	Privacy and Confidentiality Participant's records (medical records, databases, data/tissue banks activities may only be accessed by those with usual access (through professional practice) or by those with a directly-related secondary professional practice.	routine clinical care or
	Will participant records/information be accessed by those with routine access through clinical care/professional practice OR by those with a secondary purpose which is directly related to the patient's clinical care?	⊠ Yes □ No
	Will the confidentiality of participant records/information be maintained at all times?	⊠ Yes □ No
4.2	Privacy and Pote Stores	
4.2	Privacy and Data Storage Are the rights, privacy, and professional reputation of any persons	⊠ Yes □ No
	or institutions involved free from any risk of infringement?	2 163 2 110
	Will all data collected be non-identified?	
	Will data be published in a non-identified format?	
	Will the storage of such information be securely held within the department for a minimum period of 7 years, in a non-identified format?	⊠ Yes □ No
	How will research data be retained? E.g. Paper copies in locked office or electronic copies, password protected file on secure network.	Password protected file on a password protected Austin health secure network computer.
	How will data be destroyed? E.g. Secure shredding or secure electronic file deletion.	Secure electronic file deletion.
	How will the findings of this work be disseminated?	□ Journal article □ Conference □ Internal presentation (e.g. Research week) □ Case study



Section 5: Intellectual Property Considerations

5.1	Intellectual Property Considerations	
	Is there a possibility of new Intellectual Property being developed	☐ Yes ☒ No ☐ N/A
	from this project?	
	Does the research agreement state arrangements for the use of	☐ Yes ☐ No ☒ N/A
	existing intellectual property and the parties' rights in relation to	
	ownership?	•
	Does the Research Agreement describe arrangements for the use of	☐ Yes ☐ No ☒ N/A
	all new intellectual property through the research project?	, , , , , , , , , , , , , , , , , , , ,

Section 6: Study Budget

Study Budget (if applicable) If you are receiving funds to sup example contracts and/or letter			relevant documentation
Funding Type	Source of	Funding	Funding Amount
Commercially sponsored		54	2
Sponsored, other (e.g. collaborative groups)			
External funding (e.g. NHMRC, Foundations etc.)			
Internal Departmental funding	. 1		e .
Other (specify)		*	
Which organisation will receimanage this funding: (Please list organisation details and person)		Not applicable.	

Section 7: Declaration

Principal Investigator Declaration (This section is mandatory)

- > I confirm that the information provided in this application is true and correct and that I agree to adhere to all relevant legislation and guidelines during conduct of this activity.
- > I am responsible for maintaining the confidentiality of the medical records accessed and any personal, health or sensitive information contained within those records by the external applicant.

Name of Austin Health Principal Investigator	Penelope Hey	
Signature of Austin Health Principal Investigator	Je de la company	
Date	23/12/2021	



Head of Department Declaration (This section is mandatory)

> I support this research activity being undertaken in my department.

Name of Austin Health Head of Department	Dr Josephine Grace	
Signature of Austin Health Head of Department		
Department	CA SAVO	
Date	24/12/21	

Student Investigator Declaration (if applicable)

- > I agree to adhere to all relevant legislation and guidelines during conduct of this activity.
- > I am responsible for maintaining the confidentiality of the medical records accessed and any personal, health or sensitive information contained within those records.

Name of Student Investigator	
Signature of Student Investigator	
Date	

External Applicant Declaration (if applicable)

In consideration of Austin Health agreeing to allow me to access, use, collect and disclose health, personal or sensitive information from health and medical records or directly from Austin Health patients or employees for the purposes of conducting the above named project, as the case may be

- 1. I acknowledge that certain legislation relating to patient health care and medical records privacy including the Health Services Act 1988 (Victoria), the Health Records Act 2001 (Vic), the Information Privacy Act 2000 (Victoria), the Mental Health Act 2014 (Victoria) and the Privacy Act 1988 (Cth) impose on me duties of confidentiality.
- 2. I agree to comply with those requirements as they apply to Austin Health and its patients and that I am not permitted to, and will not, collect, use or disclose to any other person beyond the research team personnel, directly or indirectly, any health, personal or sensitive information about any patient of Austin Health in identifiable format obtained by reason of my participation or connection with my conduct of this project.
- 3. I agree to maintain the confidentiality of any health, personal and sensitive information from the health and medical records I source. I will not remove any original source material from Health Information Management. I agree to keep confidential any health, personal or sensitive information concerning persons and events that comes to my attention on the Austin Health campuses. Such information includes that concerning the research study noted above and any other information which comes my way, whether it be something I read, something I see, or something I hear.

Name of External Applicant	
Signature of External Applicant	



Date	,	