**Note to Users of this Protocol Template**

This Protocol Template is designed to be generic. Some subsections and suggestions will not be appropriate for your specific study. You should tailor the protocol contents to meet the needs of your study. Only include sections pertinent to the study, omit irrelevant sections, reorder and add sections as needed. Once you have finished your template, don’t forget to highlight and right hand click on the contents page and select “update all”, this will automatically update the page and section numbers that have change. Please also ensure you have deleted all of the annotations.

The protocol should be a standalone document that details every aspect of your project. In addition to the protocol you will need to complete the HREA. The HREA ensures that the ethical requirements in the *National Statement on Ethical Conduct in Human Research* are addressed.

**[Please delete this page prior to submission]**

|  |
| --- |
| protocol |
| [Insert Full study Title] |
| Protocol Number (Mandatory field):  Version: #  Date: DD/MM/YYYY |
|  |
| **Author/s:**  <<List Author/s>>  **Sponsor/s:**  <<Insert Sponsor/s>> |
| **CONFIDENTIAL**  This document is confidential and the property of <<Insert Name of Institution>>. No part of it may be transmitted, reproduced, published, or used without prior written authorization from the institution.  **Statement of Compliance**  This document is a protocol for a research project. This study will be conducted in compliance with all stipulation of this protocol, the conditions of the ethics committee approval, the NHMRC National Statement on ethical Conduct in Human Research (2007) and the Note for Guidance on Good Clinical Practice (CPMP/ICH-135/95). |

# 

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|  |  |
| --- | --- |
| **STUDY SYNOPSIS (please provide a brief information)** |  |

|  |  |
| --- | --- |
| Title: |  |
| Short Title: |  |
| Design: |  |
| Study Centres: |  |
| Hospital: |  |
| Study Question: |  |
| Study Objectives: |  |
| Primary Objectives: |  |
| Secondary Objectives |  |
| Inclusion Criteria: |  |
| Exclusion Criteria: |  |
| Number of Planned Subjects: |  |
| Investigational product: |  |
| Safety considerations: |  |
| Statistical Methods: |  |
| Subgroups: |  |

## **Glossary of Abbreviations & Terms**

|  |  |
| --- | --- |
| **Abbreviation** | **Description (using lay language)** |
|  |  |
|  |  |
|  |  |
|  |  |

## **Study Sites**

### Investigators

[List all investigators and their role in this study. Include whether the protocol will be used towards a student project, and if so, state what course and degree the student will undertake. Copy and paste tables, if required]

|  |  |  |
| --- | --- | --- |
| **Principal Investigator** |  | **Role in Study** |
| Name: |  |  |
| Position: |  |
| Department: |  |
| Organisation: |  |
| E-mail: |  |
| Telephone: |  |

|  |  |  |
| --- | --- | --- |
| **Investigator** |  | **Role in Study** |
| Name: |  |  |
| Position: |  |
| Department: |  |
| Organisation: |  |
| E-mail: |  |
| Telephone: |  |

|  |  |  |
| --- | --- | --- |
| **Investigator** |  | **Role in Study** |
| Name: |  |  |
| Position: |  |
| Department: |  |
| Organisation: |  |
| E-mail: |  |
| Telephone: |  |

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| **Investigator** |  | **Role in Study** |
| Name: |  |  |
| Position: |  |
| Department: |  |
| Organisation: |  |
| E-mail: |  |
| Telephone: |  |

## **Introduction/Background Information**

### Lay Summary

[All information provided in this section must be in language that can be understood by an interested, intelligent person without a scientific background. Do not use scientific jargon, abbreviations and do not include journal citations in the lay summary. This summary should include information on the aims and importance of the study as well as briefly summarizing what will happen to the participants, the time commitment required by the participants and how their safety will be ensured.]

### Introduction

[The introduction is a very brief overview of the study (~250-500 words). The introduction should be concise but sufficient to orientate the reader to the main purpose of the study and how it will be conducted and its expected benefits. It should include details on (1) What the research question is (2) How the proposed study will fill a gap in the literature and (3) provide an understanding that this study is novel]

### Background information/Literature Review

[This section should give clarity on the research question being addressed. The information should convince the reader of why the study needs to be done. The following points may be used as a guide:

* Provide a comprehensive literature search
* Critically appraise the relevant literature and discuss the current knowledge on the topic (include deficiencies). If applicable, discuss the current treatment options and the associated issues risks and benefits.
* Indicate how the research question has emerged and fits logically with the evidence detailed above.
* Explain how your study will contribute to existing research and benefit your target population.
* Discuss the importance of the topic (e.g., public health, clinical importance, community, incidence, prevalence, mortality and morbidity)

## **Study Objectives**

### Hypothesis

### Study Aims

### Outcome Measures

This section of the protocol should clearly state the variables to be measured. The primary outcome measure should reflect the clinically relevant effects of the intervention and be based on the primary objective of the trial. There should only be one primary outcome.

The secondary outcome measures are other effects to be measured in the study, these may or may not be related to the primary objective and are based on the secondary objectives.

Since the outcome variables will be used to evaluate the success or otherwise of the intervention, they need to be carefully selected and clearly defined in the protocol. Ensure endpoints are obtainable. Efficacy variables are usually a quantitative measure of a clinical effect. Often the clinical effect to measure is obvious, but the method of measurement may be controversial. A surrogate endpoint does not measure the clinical effect, but is something that can be measured that is thought to relate to the clinical effect (e.g. bone density is related to a reduced fracture rate). Provide justification for any surrogate endpoints.

If a composite endpoint will be used explain its composite parts.

Primary and secondary outcome measures may be:

 Objective assessments (e.g. mortality rates);

 Subjective clinical assessments (e.g. validated rating scales);

 Measurements of various physiological functions (e.g. blood

pressure);

 Anatomical or histological assessments (e.g. tumour measurements)

 Biomarkers or biochemical markers (e.g. tumour markers, liver

function tests); or

 Pharmacokinetic tests.]

# **Study Design**

### Study Type & Design & Schedule

[The description of the study design should be capable of meeting the study objectives. A thorough description of **ALL** study procedures and assessments should be documented in a logical and sequential format]

1. Specify the type of study e.g., Cohort-study (retrospective or prospective), case-control study, cross-sectional study
2. Specify the basic design elements including the population to be studied (e.g., adults aged 18-35), any risk factors present
3. Specify if the study will be a single-centre or multi-centre (national or international) study.
4. Specify how the design will achieve the aims and objective.
5. State what data will be collected e.g., blood tests, MRI’s, genetic testing, videos, photos, questionnaires etc. For each item, specify if the data collected will be identifiable, re-identifiable or non-identifiable.
6. Describe how you will collect, handle and store all types of data collected.
7. Specify the time frame for each component of the study, this should include study visits, how long recruitment is open for and how long analysis will take etc.
8. Specify if the study requires any home visits, and what the home visit policy and procedures are.
9. Ensure you have included all information on all required contingency plans within your study outline.
10. Provide a flowchart or table specifying visits, interventions and other relevant details

**EXAMPLE STUDY TABLE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Example procedures** | **Assessment/Procedure** | **Screening** | **Visit 1**  **(3 months)** | **Visit 2**  **(12 months)** | **Follow-up** |
| **Informed Consent** | **x** |  |  |  |
| **Demographic Information** | **x** |  |  |  |
| **Weight Measurement** | **x** |  |  |  |
| **MRI** |  | **x** | **x** |  |
| **QOL50- questionnaire** |  | **x** | **x** | **x** |
| **Blood Collection** | **x** | **x** | **x** |  |
| **Biopsy** | **x** |  |  |  |

### Standard Care and Additional to Standard Care Procedures

[In table format LIST all procedures, assessments, and tests (e.g., CT-scans, MRI, blood tests etc…) that form part of standard care and that are additional to standard care. Include testing times, dosages and volumes where applicable]

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Standard Care Procedures** | | |  | **Additional To Standard Care** | | |
| **Procedure** | **Time/Visit** | **Dosage/Volume** |  | **Procedure** | **Time/Visit** | **Dosage/Volume** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

### Randomisation

[Include a description on how your participants will be randomised, include any software that will be used. Where applicable, a description of the type of ranomisation performed, ratio of assignment to group and stratification should be included. An explanation on the method used to conceal group allocations should be included and who will assign participants to their groups. This section should also discuss if the participants and/or investigators will be blinded to group allocations or if the study will be unblinded to the participants and/or investigators]

## Study methodology

[Describe each clinical or laboratory assessment/s that will be carried out as part of this study. This should include a procedures list that details what information will be collected. If you are using standardised surveys, questionnaires or other tests please include a copy of these tests with your submission.

## **Study Population**

### Inclusion Criteria

[Clearly define and describe the study population that is required for a participant to be included in the study. The criteria may be based on factors such as age, gender, type and stage of disease, previous treatment history etc.]

### Exclusion Criteria

[Provide details of participants that will be considered ineligible to participate and justify why they have been excluded. Exclusion criteria may include an inability to give informed consent, understand English, contraindications of the study treatment and/or procedures, conditions that will hinder the participant’s ability to comply with the study protocol].

### Participant Recruitment

### Recruitment Procedure

[Explain how participants will be identified and recruited. You should make a distinction between how you will recruit control participants compared to other groups.]

Cohort Studies: Describe sources and methods that will be employed in the identification and recruitment of potential participants e.g., clinics, referring doctors, advertisements etc.

Cross-sectional Studies: Describe the sources and methods that will be employed in the identification and recruitment of prospective participants (e.g., clinics, referring doctors, advertisements etc.) and retrospective data (e.g., medical records, registries, databases etc.)

Case-Controlled studies: Describe how controls will be identified and recruited (e.g., advertisements, letters from GP’s, family members etc.), and describe how they will be matched. Describe how the study population will be identified and recruited, and then provide a justification for how bias has been avoided.

### Consent

[Describe details of the consent process including the approach (opt-in or opt-out), how it will be recorded (written or implied) or whether a waiver of consent will be requested. If a waiver of consent is being sought ensure you provide the Waiver of Consent Form]

# **Participant Safety and Withdrawal**

### Risk Management and Safety

[Identify all areas where participant safety may be compromised, safety such examples may include, but are not limited to exposure to radiation and invoking psychological or physical distress. Safety considerations for physical and/or psychological risk factors should include a plan to manage these risks so as to safeguard the wellbeing of the participant]

### Handling of Withdrawals

[Participants may withdraw from the study for the following reasons: participant has chosen to withdraw from the study, protocol violation, participant has experienced an adverse event or the investigator deems it is in the participant’s best interest to do so. Describe the procedures to be followed when a participant is withdrawn from the study, this should include what happens to collected data and samples (e.g., blood, scans, photos, etc.), and whether the participant needs to have any follow-up]

### Replacements

[Describe if withdrawn participants will be replaced in the study and if not, describe what impact this will have on the statistical significance of the sample size for the study]

# **Statistical Methods**

### Sample Size Estimation & Justification

[Specify the estimated sample size and justify how this sample size will ensure that the study numbers will reach statistical significance.]

### Power Calculations

[Describe and detail how the power calculations were obtained.]

### Statistical Methods To Be Undertaken

[Describe the statistical methods that will be undertaken for this study. It is recommended that this section is written in collaboration with a statistician.]

# **Storage of Blood and Tissue Samples**

[Describe what samples are taken, how long you will store each sample, where you will store the sample and state if any samples will be used for genetic testing. Describe if samples will be held in a biobank, and if consent from participants will be for this research project only, for future projects related to this, or if participants have given unspecified consent.]

# **Data Security & Handling**

### Details of where records will be kept & How long they will be stored

[List the location/s where records will be held. If there are multiple locations, list the exact data to be held at each location. For adult participants, all records for non drug trials should be kept for a minimum of 7 years post study closure, however, if your study contains a CTN device or drug, then records must be kept for a minimum of 15 years. If your study involves child participants, all records, regardless of study type need to be kept for 30 years]

### Confidentiality and Security

[Describe how confidentiality of all study data will be ensured via security mechanisms in place.]

### Ancillary data

[Describe how where and for how long you will store data such as videos, photographs and images, also describe how confidentiality will be ensured].

# **References**