

## Plan Overview

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*A Data Management Plan created using DMPTool*

**DMP ID:** <https://doi.org/10.48321/D1Q341>

**Title:** Análise dos aspectos clínicos, tomográficos, biomecânicos e histológicos dos aneurismas da aorta abdominal infrarrenal e dos aneurismas da artéria poplíteia

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**Template:** Digital Curation Centre

### **Project abstract:**

**INTRODUCTION:** The mechanisms involved in the etiology, expansion and rupture of aneurysms are still poorly understood. One of the ways to understand the pathophysiology of this disease is the comparative analysis of aneurysms in different anatomical territories. This comparison involves clinical, diagnostic imaging, histological and biomechanical aspects.

**OBJECTIVE:** The objective of the study is to determine the biomechanical behavior of abdominal aortic aneurysms and popliteal artery aneurysms and to associate these characteristics

with the histological analysis of the fragments of these aneurysms, with emphasis on the presence and appearance of perivascular adipose tissue. **METHODS:** It will be composed four groups of patients to compare clinical, tomographic, biomechanical and histological aspects. The first group (AAA group) will consist of patients with abdominal aortic aneurysms whose samples of the anterior wall tissue of the AAA were obtained from open surgeries. The second group will consist of patients without aortic aneurysms whose tissue fragments of aorta will be collected during organ harvesting (kidney donor patients) or during necropsy. The fourth group will consist of patients with non-aneurysmal popliteal arteries whose fragments will be collected during amputation surgery of the limbs for non-aneurysmal causes. The clinical data and imaging exams of the patients will be stored and compared. The fragments of arterial tissue will be subjected to histological, immunohistochemical and destructive biomechanical tests. **EXPECTED RESULTS:** Establishing the differences between the clinical, tomographic, histological and biomechanical components of aortic and popliteal artery aneurysms, it is expected to add some knowledge that explains the onset and evolution of these arterial dilations

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# **Análise dos aspectos clínicos, tomográficos, biomecânicos e histológicos dos aneurismas da aorta abdominal infrarrenal e dos aneurismas da artéria poplítea**

## **Data Collection**

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### **What data will you collect or create?**

Serão usados dados de prontuários

### **How will the data be collected or created?**

Análise de prontuários, exames prévios e coleta de material conforme protocolo do projeto.

## **Documentation and Metadata**

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### **What documentation and metadata will accompany the data?**

O material será todo catalogado no laboratório de LIM-02 tendo acesso o pesquisador responsável, que diante da sua autorização poderá ser reutilizado. As planilhas criadas serão armazenadas no em computador próprio do LIM-02 com acesso exclusivamente local.

## **Ethics and Legal Compliance**

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### **How will you manage any ethical issues?**

Toda a coleta de dados manterá o anonimato amostral sendo já assinados os termos de consentimento.

Trabalho autorizado juntamente ao Conselho de ética

### **How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?**

Os dados serão de acesso público mediante autorização do Diretor da Faculdade e do Coordenador do Laboratorio, LIM-02, onde serão armazenados

## **Storage and Backup**

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### **How will the data be stored and backed up during the research?**

Todos os dados serão armazenados em caderno escrito no laboratório LIM-02 além de backup em computador do local com acesso restritamente local. A cada 6 meses, será realizada cópia de segurança em HD externo, cuja posse será do pesquisador responsável.

### **How will you manage access and security?**

Somente terão acesso aos dados: o pesquisador responsável e pesquisadores associados.

### **Selection and Preservation**

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#### **Which data are of long-term value and should be retained, shared, and/or preserved?**

Todos os dados serão mantidos e armazenados no LIM 02, sendo possível seu uso futuro para novas pesquisas ou aprimoramento da linha de pesquisa atual.

#### **What is the long-term preservation plan for the dataset?**

Serão mantidos em arquivo físico (caderno) no armário do LIM-02

Cópia digital no computador local do LIM-02

### **Data Sharing**

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#### **How will you share the data?**

Todos os dados coletados serão de uso exclusivo para a pesquisa atual, porém em caso de necessidade de eventuais novas pesquisas, poderão ser resgatados, mediante autorização do coordenador do LIM02

#### **Are any restrictions on data sharing required?**

Não.

### **Responsibilities and Resources**

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#### **Who will be responsible for data management?**

O pesquisador responsável terá a responsabilidade quanto ao armazenamento e cuidados dos dados do trabalho.

**What resources will you require to deliver your plan?**

Será utilizado planilha de Excel para categorização e enquadramento dos dados da pesquisa.

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