

Plan Overview

A Data Management Plan created using DMPTool

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Title: Analysis of clinical, tomographic, biomechanical and histological aspects of infrarenal abdominal aortic aneurysms and popliteal artery aneurysms

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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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Analysis of clinical, tomographic, biomechanical and histological aspects of infrarenal abdominal aortic aneurysms and popliteal artery aneurysms

Serão usados dados de prontuários

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

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.

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

Trabalho autorizado juntamente ao Conselho de ética

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

Todos os dados serão armazenados em caderno escrito no laboratorio 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.

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

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.

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

Copia digital no computador local do LIM-02

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 coodenador do LIM02

Não.

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

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