

# Title: Progress Report 1

Date: 01/29/2025

Client: Dr. Andrew Ross

Advisor: Dr. Megan McClean

Team:

Student 1: Ana Toscano

Student 2: Rini Anand

Student 3: Gabriela Cecon

Student 4: Sofia Yeates-Delahoz

## Problem statement

Design and develop a prototype that securely supports, stabilizes, and precisely maneuvers needles during awkward, image-guided minimally invasive radiology procedures to enhance ergonomics, reduce operator fatigue, and improve accuracy and patient outcomes

## Brief status update

Preliminary research in progress.

## Difficulties / advice requests

None to report.

## Current design

This project is still in the research phase. There is no current prototype or design as of this week.

## Materials and expenses

Currently, there are no expenses as the project is still in the preliminary research phase.

Item	Description	Manufac-turer	Mft Pt#	Vendor	Vendor Cat#	Date	#	Cost Each	Total	Link
<b>Category 1</b>										
									\$0.00	
									\$0.00	
<b>Category 2</b>										



Progress Reports	X														
Prelim presentation															
Final Poster															
<b>Meetings</b>															
Client															
Advisor	X														
<b>Website</b>															
Update	X														

## Activities

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Ana Toscano	1/28 - 1/30	Preliminary research on competing designs and	4	4	4
Rini Anand	1/28 1/29	Initial research (recommended articles and patents/ market analysis)	4	4	4
Sofia Yeates-Delahoz	1/28 - 1/30	Conducted preliminary research on competing designs that are on the market.	3	3	3
Gabriela Cecon	1/28 - 1/30	Preliminary research on competing designs and existing methods	3	3	3