

## Measurement of tibial translation in dogs with anterior cruciate ligament ruptures

**Week 15**– December 6<sup>th</sup> to December 12<sup>th</sup>

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### Summary of Accomplishments:

- 1 Finished the Final report and completed all of the design deliverables

### Team Goals:

#### Problem Statement:

- 1 Arthritis in canines often leads to joint degeneration and rupture of the Anterior Cruciate Ligament (ACL). Diagnosis of this condition is often difficult because the current methods used are non-quantitative. The aim of this project is to quantify the amount of tibial translation in a canine's leg caused by a known applied force in order to determine the severity of an ACL rupture. Preliminary parts for a device that can accomplish this have been developed and it is the goal of this team to create and test a working model.

### Activities:

Name	Activity	Time spent
James	Final Report	43.5+5=48.5 hours
Mike	Final Report	48+5=53 hours
Alex	Final Report	48+1=49 hours
Graham	Final Report	43+5=48 hours

**Project Timeline:**

	September				October				November					December	
Tasks	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13
Project research		█		█	█				█	█	█				
Brainstorming			█					█	█	█					
Problem Statement			█												
Prototype testing				█				█							
Ordering								█	█	█	█				
Midsemester Report						█									
Device manufacturing									█	█	█	█	█		
Testing											█	█	█		
Re-designing								█		█					
Re-testing												█	█		
Presentation					█									█	
Progress report	█	█	█	█	█	█		█	█	█	█	█	█		
Website			█	█	█	█	█	█	█	█	█				

**Expenses:**

No expenses this week