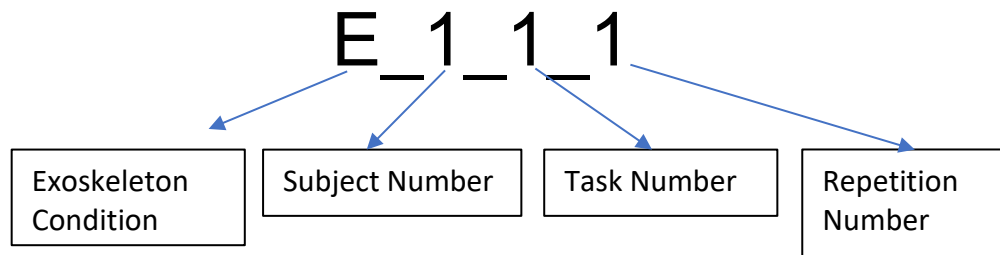


Guideline of the File Names

File Naming Convention

Each folder in each subject contains “Patient Handling” and “Lifting & Lowering” folders in it.

They are named as







Where,





The first character represents the exoskeleton condition. “E” represents EXO and “NE” represents NOEXO.

Task Number

Tasks 1 to 8 are related to patient handling tasks.

Task LL is lifting and lowering tasks.

Task 1	Repositioning the patient posteriorly in the seat of the wheelchair	
Task 2	Lifting the patient from sitting on the edge of the bed to standing on the floor	
Task 3	Repositioning of the patient from lying in the middle of the bed to the bedside nearest the caregiver	
Task 4	Elevate the patient from a supine position in the bed to sitting position on the edge of the bed	

Task 5	Moving the patient from sitting on the bed to supine position in the bed	
Task 6	Turning the patient in bed towards the caregiver from the patient back to patient left side (causing patient face to turn towards the caregiver)	
Task 7	Turning the patient in bed away from the caregiver from the patient back to patient right side	
Task 8	Transferring the patient from sitting on the bed to sitting in a wheelchair	
Task LL	Lifting & lowering the weight	

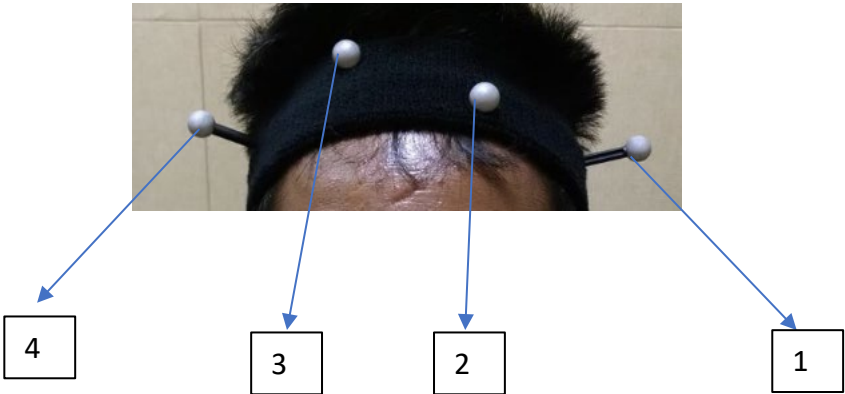
Motion Capture: Labeling convention for C3D files

The patient Handling C3D files containing six rigid bodies along with the subject marker set. These six rigid bodies are placed on the patient.

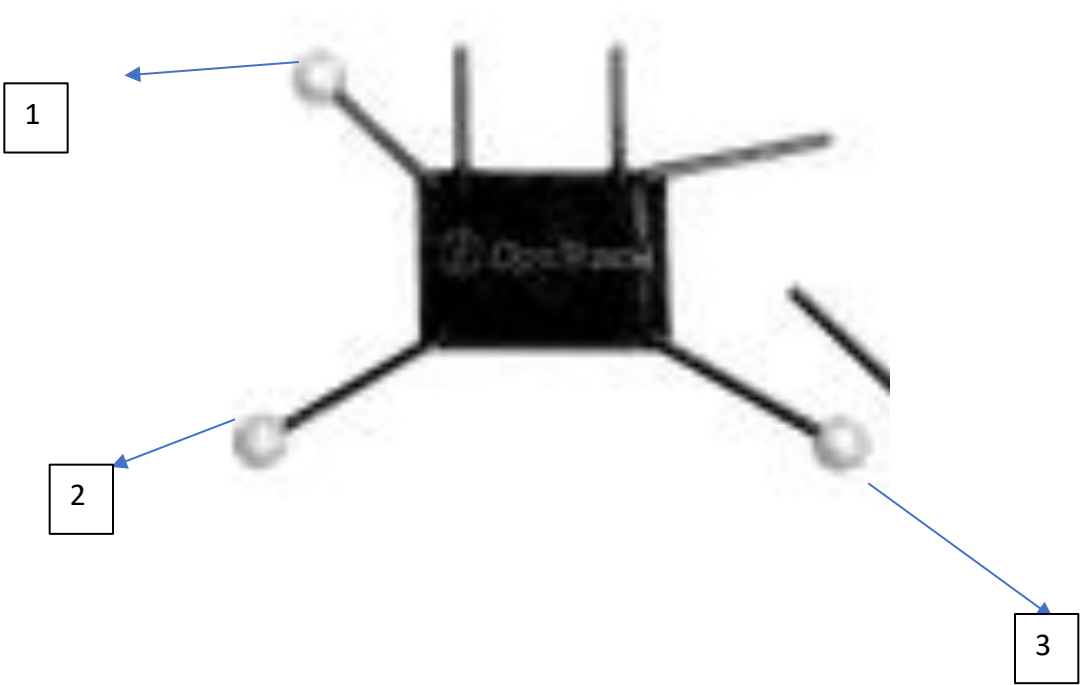
Rigid Body	Marker Name
Head	Head_Marker1
	Head_Marker2
	Head_Marker3
	Head_Marker4
Thorax	Thorax_Marker1
	Thorax_Marker2
	Thorax_Marker3
Left Upper Arm	Left Upper Arm_Marker_1
	Left Upper Arm_Marker_2
	Left Upper Arm_Marker_3
Left Lower Arm	Left Lower Arm_Marker1

	Left Lower Arm_Marker2
	Left Lower Arm_Marker3
Right Upper Arm	Right Upper Arm_Marker1
	Right Upper Arm_Marker2
	Right Upper Arm_Marker3
Right Lower Arm	Right Lower Arm_Marker1
	Right Lower Arm_Marker2
	Right Lower Arm_Marker3
Box	Box_Marker1
	Box_Marker2
	Box_Marker3

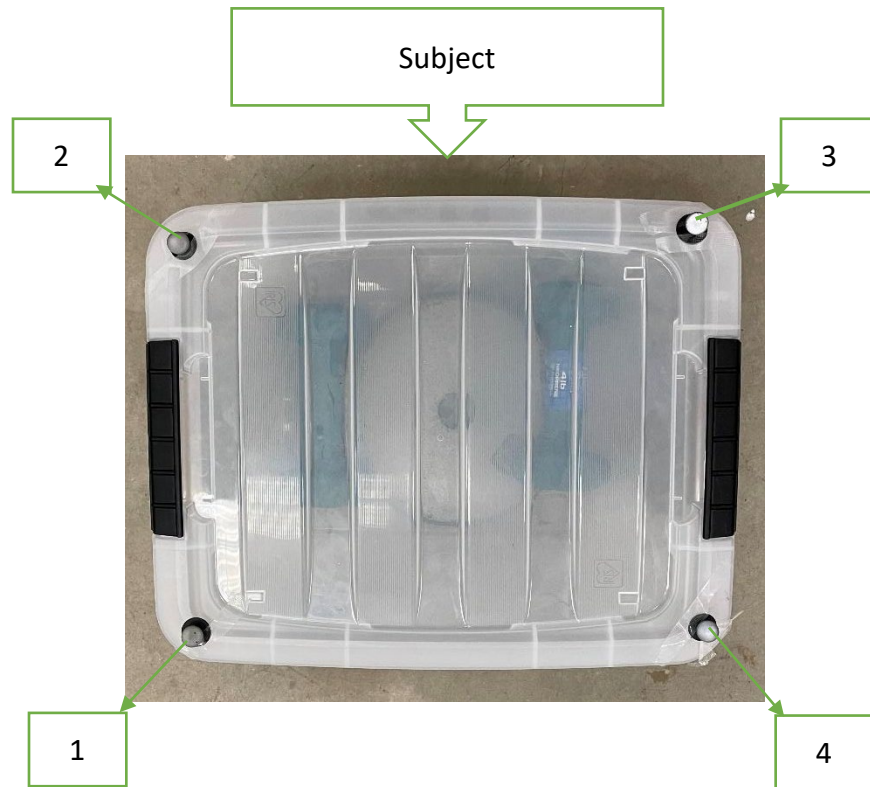
The head rigid body is named in order from left to right.



The rigid bodies from 2 to 6 follow the same pattern.



For Lifting & Lowering tasks, the box is labeled in a clockwise direction starting from the right front marker as 1 when the subject is facing the weight.



Camera naming convention:

Camera 3: Rear view
Camera 6: Front View
Camera 7: Side View

