

IS THERE A ROLE FOR FAT GRAFTING IN NERVE REGENERATION?

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OBJECTIVES AND BACKGROUND

The digital patient is a powerful tool that permits an “offline” consultation of the patient and creates medical case studies for medical students [1]. The main objective is to create a digital representation of the scoliotic patient in order to show precise gait and posture. The digital representation can be later analyzed without the presence of the actual patient.

MATERIALS AND METHODS

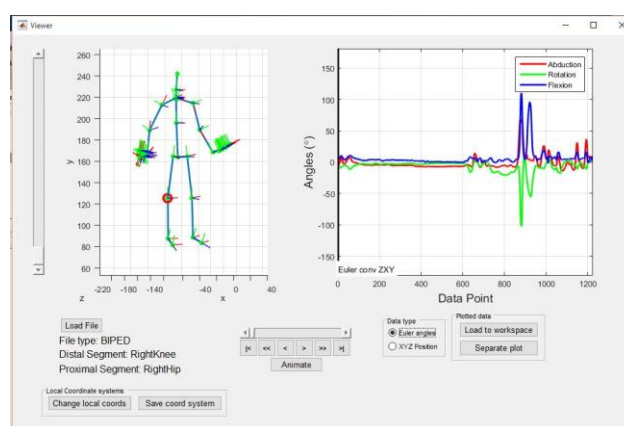
A digital version of the real life patient is created using the Microsoft Kinect program that captures both the gait and the posture.

RESULTS

The created digital patient can be viewed and analyzed using MatLab software. The overall position of the patient along with patient movements such as adduction, rotation and flexion of the joints can be viewed.

CONCLUSIONS

The digital patient is a powerful tool that permits the medical doctor to consult the patient even when the patient is not present.



Graphical abstract: The Digital Patient shown in the MatLab Viewer.

REFERENCES

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