



Edinburgh University Student SSC/Project Report

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Hospital/unit/clinic	Edinburgh Royal Infirmary, Orthopaedics dept
Topic (rough topic area, e.g. Orthopaedics)	Orthopaedics
Title of Project	Outcomes and patient satisfaction after hindfoot arthrodesis in patients with rheumatoid arthritis
Authors	Gunner CK
Please give an overview of what your research was on(200 words max)	<p>Aims To determine change in quantitative measures of patient health, pain and functional ability following hindfoot arthrodesis in patients with rheumatoid arthritis, and to assess patient satisfaction post-operatively.</p> <p>Methods 24 additive hindfoot arthrodeses were performed by a single surgeon on 22 patients with rheumatoid arthritis. Patients were assessed pre-operatively using the Short Form-12 Health Survey (SF12), Manchester-Oxford Foot Questionnaire (MOXFQ) and pain scores. These assessments were repeated at 6 and 12months post-operatively, with an additional satisfaction questionnaire.</p> <p>Results There were marked and sustained improvements in the post-operative SF12, MOXFQ and pain scores, with 71% of patients reporting no pain and 57% able to walk more than half a mile at 12months. 19 out of 22 patients reported being satisfied or very satisfied with the operation. Bony union was achieved in 22 out of 23 patients (96%), both on clinical and radiological criteria.</p> <p>Conclusions</p>

	This study shows that additive hindfoot arthrodesis can be a very effective procedure in the management of moderate to severe ankle and hindfoot disease in rheumatoid arthritis. Patients should be counselled regarding the considerable recovery period, however significant improvement in the patient's general health, foot function and pain can be expected.
Give details of any Surgical Experience you have gained	Regular opportunities to assist in theatre with arthrodesis operations, also hip and knee arthroplasty
Details of any presentations or publications to arise from this project	Presentations (including posters)
	Publications (including Abstracts) Currently awaiting publication in Foot and Ankle and Rheumatology journals
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Thank you for taking the time to fill the above form in. Please feel free to leave boxes blank if you want. The report will be uploaded onto the website in pdf form. Also, please feel free to submit more than one report!

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On behalf of the ESSS Committee

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ESSS Vice President

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