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# Long-term Follow up of Van Nes Rotationplasty for Congenital Proximal Focal Femoral Deficiency [Proceedings]

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## AAQOS American Academy of Orthopaedic Surgeons

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6300 North River Road Rosemont, Illinois 60018-4262 Phone 847.823.7186 Fax 847.823.8125 Need Technical Assistance? <u>OASIS Helpdesk.</u> Hours: 8:00 AM - 5:00 PM CT	Title:	Long-term Follow Up of Van Nes Rotationplasty for Proximal Focal Femoral Deficiency	
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	Abstract:	<b>ITRODUCTION</b> Proximal focal femoral deficiency (PFFD) is a congenital anomaly that presents challenges r orthopaedic and prosthetic management. The Van Nes rotationplasty is one treatment in which the tremity is surgically rotated to utilize the ankle and foot as a functional knee joint in a prosthesis. The ropse of this study is to determine the long-term functional and quality of life (QCL) outcomes for dividuals who have undergone rotationplasty surgery for congenital PFFD compared to age and gender atched controls. ETHODSTNis prospective study had 12 prosthetic participants (PFFD Group: 8 M, 4F, age range 16-57 ars) average 31.6±13.5 years and 12 control participants (Control Group: 8M, 4F) with an average age .6±14.1 years. Participants completed the following outcome questionnaires: SF-36, Revised-Faces Pain zale, Haris hip Score, Oswestry back pain score: and underwent lower extremity range of motion (ROM), and held dynamometry, gait analysis, computerized dynamic posturography and Timed 'Up& Go' (TUG) sting. The PFFD Group also completed the Prosthetic Evaluation Questionnaire© (PEQ). The Wilcoxon gned rank test was used to statistically compare each PFFD Group participant to the matched Control roup participant with values statistically significant at p< 0.0123. ESULTSParticipants had rotationplasty performed at an average age of 6.5±3.9 years with follow up testing no z5.1±1.2 years later. All adult subjects were working full time in a variety of manual and office/desk bs. No significant issues were seen for body image. <i>Pain</i> : The PFFD and Control Groups both reported milar low back pain with 6.8±9.7% and 7.0±13.0% distability respectively on the owsety back pain estionnaire. On the day of testing, only one PFFD participant reported mild low back pain on the Revised- aces Pain Scale. The average Harris Hip Score for the PFFD Group was 92.7±92.0 ut of 100, indicating cellent outcome. Two participants reported pain on their non-prosthetic hip. <i>ROM</i> : The PFFD Group sowed significa	

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