



Clinical Evaluation Summary

CES CPI F14

College Park- Odyssey K2 Foot

Warranty period - 2 Years

Weight Limit - 100kg (21 - 24 cm)
136kg (25 - 30 cm)

This summary has been compiled from the results of a number of returned Clinical Evaluation forms, completed by both prosthetists and patients, and shown in an abbreviated form overleaf. It is an attempt to give an overview of the product based on our experience to date and needs to be read in conjunction with the product literature supplied by the manufacturer.

Evaluation Summary

The Odyssey foot from College Park has a hydraulic ankle with independent adjustment of dorsiflexion and plantarflexion resistances. There is a total of 12° of hydraulically controlled movement and the foot should be aligned to allow 1° of dorsiflexion in stance. This, along with compliance of the composite keel, provides sufficient dorsiflexion, with the rest of the hydraulic range being used to provide the plantarflexion required when descending slopes. The build height, at around 80mm, is low for this style of foot, as is the weight at 744g for a size 26cm.

Indications

Patients of an activity as defined by College Park activity levels.

- A patient who would benefit from a foot that
- Improves gait when ascending or descending slopes
 - Increases stability and safety on inclines
 - Reduces forces on the residual limb on undulating ground
 - Improves stability when standing on slopes

Contraindication

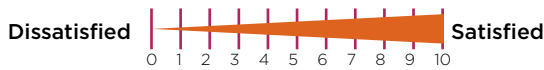
Patients whose activity level is outside those outlined by College Park.
A patient above the product weight/impact limit
Where a lightweight prosthesis is critical
Where the foot is small and a slender ankle/forefoot cosmesis is required.

Evaluation Patients

Patient Details

Patient 1	Transtibial	52kg	66year old female	Retired	Sigam E
Patient 2	Transtibial	55kg	70year old female	Retired	Sigam F
Patient 3	Transfemoral	60kg	36year old female	Civil Servant	Sigam F
Patient 4	Transtibial	87kg	51year old male	Unemployed	Sigam E
Patient 5	Transtibial	97kg	46year old female	Office Worker	Sigam E
Patient 6	Transtibial	67kg	45year old female	Hotel Receptionist	Sigam E

Evaluation Result



Current Prescription

Patient 1	TSB laminate socket, Ossur 100 lock and Elation foot
Patient 2	TSB laminate socket – silicone self-suspending, CPI Truststep foot
Patient 3	Quadrilateral socket – silicone pin liner, Endolite KX06 knee and CPI Tribute foot
Patient 4	TSB laminate socket with Pelite liner and Icross pin liner, Endolite Multiflex foot and ankle
Patient 5	TSB laminate socket – silicone pin liner, Otto Bock 1D10 Dynamic SACH foot
Patient 5	TSB laminate socket, Icelock 600 shuttlelock, medi Sensitive 6 liner and CPI Celsus foot

Prosthetist's Comments

Patient 1 – Keen to be more active and feel more stable on uneven ground, especially when out with her dog, she agreed to trial the Odyssey foot. The prosthetist had no problems setting up the foot, though it did take a bit of time to get it just right. It was noted that the hydraulics did create a slightly unusual shape around the dorsal aspect. The prosthetist also observed a “smooth descent to foot-flat and tibial progression”.

Patient 2 – This very active retired lady had requested a second Truststep, but was willing to trial the Odyssey as part of the assessment process, the prosthetist thinking that it would provide a good comparison between a compliant foot that accommodates uneven ground and one that is designed to accommodate slopes. The prosthetist had no problem setting up the foot and felt the instructions were “clear and concise”. The raised area on the dorsum of the foot was again commented on.

Patient 3 – This active patient enjoys walking over a variety of terrains and has had some experience with the Echelon foot. However, with this knee, since she is very short, she needs a foot with a lower build height, which is why the Odyssey was chosen. Alignment was easily achieved and the technical literature easily understood.

Patient 4 – Since the patient was wanting greater compliance to cope with slopes and even on the flat suffered with discomfort during tibial progression, the prosthetist decided that the Odyssey may well resolve the issues.

Patient 5 – The prosthetist was keen to improve the patient's gait pattern. It was noted that there was currently marked hyperextension at the knee and that the patient had difficulty with slopes, especially when ascending them. The prosthetist commented that at the delivery of the Odyssey the patient felt some “instability”, which improved a little with an adjustment to the angle of the foot. This had improved still more by the second review.

Patient 6 – The prosthetist chose to trial this patient on the Odyssey K2 in an attempt to reduce the socket forces and improve stability when in standing stance and when negotiating slopes, or undulating ground. It was easy to swap out for the current Celsus foot, especially as the patient does not have a cosmetic cover.

Patient's Comments

Patient 1 – The patient initially commented that it felt a strange sensation, but that she quickly got used to it and felt it reduced the pressures on her residual limb. The foot shape couldn't be padded out to match her rather wide sound foot, since the “bulge” created by the hydraulics wouldn't allow room in the shoe. Five months later and she was continuing to enjoy the comfort in everyday walking about and felt more confident when walking the dog. She stated that it had increased her enjoyment of walking the hills and cycling

Patient 2 – The patient initially felt the foot was comfortable, but with extended use started to have some problems. She felt that this was due to surgery that had been done on her knee many years before, leaving it prone to becoming easily irritated. Though she felt the function of the foot extremely good, she always felt that she was walking with a “lump” under the heel. Clearly the extreme compliance of the Truststep suited her better.

Patient 3 – At delivery the patient seemed very pleased with the foot and two weeks later reported that it made it much easier to negotiate ramps and slopes, even on grass. Five months later she stated that it was still working well and that she was now able to walk further; over uneven terrain; up and down slopes and through the woods.

Patient 4 – The patient commented at delivery that the walk was smoother and “felt more like other leg”. Three months later he stated that his confidence when trying new activities had increased and that slopes and hills were easier to cope with.

Patient 5 – The initial comments from the patient were that she liked the action of the foot and was keen to try it out on slopes. At first review she stated that “I feel my walking has improved. Slopes are easier, though I sometimes feel a bit unsteady when standing up from a chair, but I feel less pressure on my knee cap when going up slopes”.

Patient 6 – The patient's response at delivery was that “it felt like a ‘normal’ walk”. At the first review though, she seemed less sure, stating “it is better, but not as good as expected”. She went on to say that “In flats or no shoes the foot does nothing. In boots it has the initial ‘whoosh’, but nothing after that”. At the final review she did agree that it had improved things for her in her daily activities.

Clearly, if the patient was under the impression that this foot would automatically accommodate different heel heights, from bare foot to heeled boots, her disappointment is understandable. If it had been set up with her walking barefoot, it would have accommodated a shoe with a fairly small heel, certainly much better than the Celsus foot would do, but that is not the main purpose of this type of foot.

For almost 100 years, we have broken boundaries in healthcare to create fundamental, positive turning points that enhance lives. Contact us today on customerservice@steepergroup.com to find out more about our products and services.