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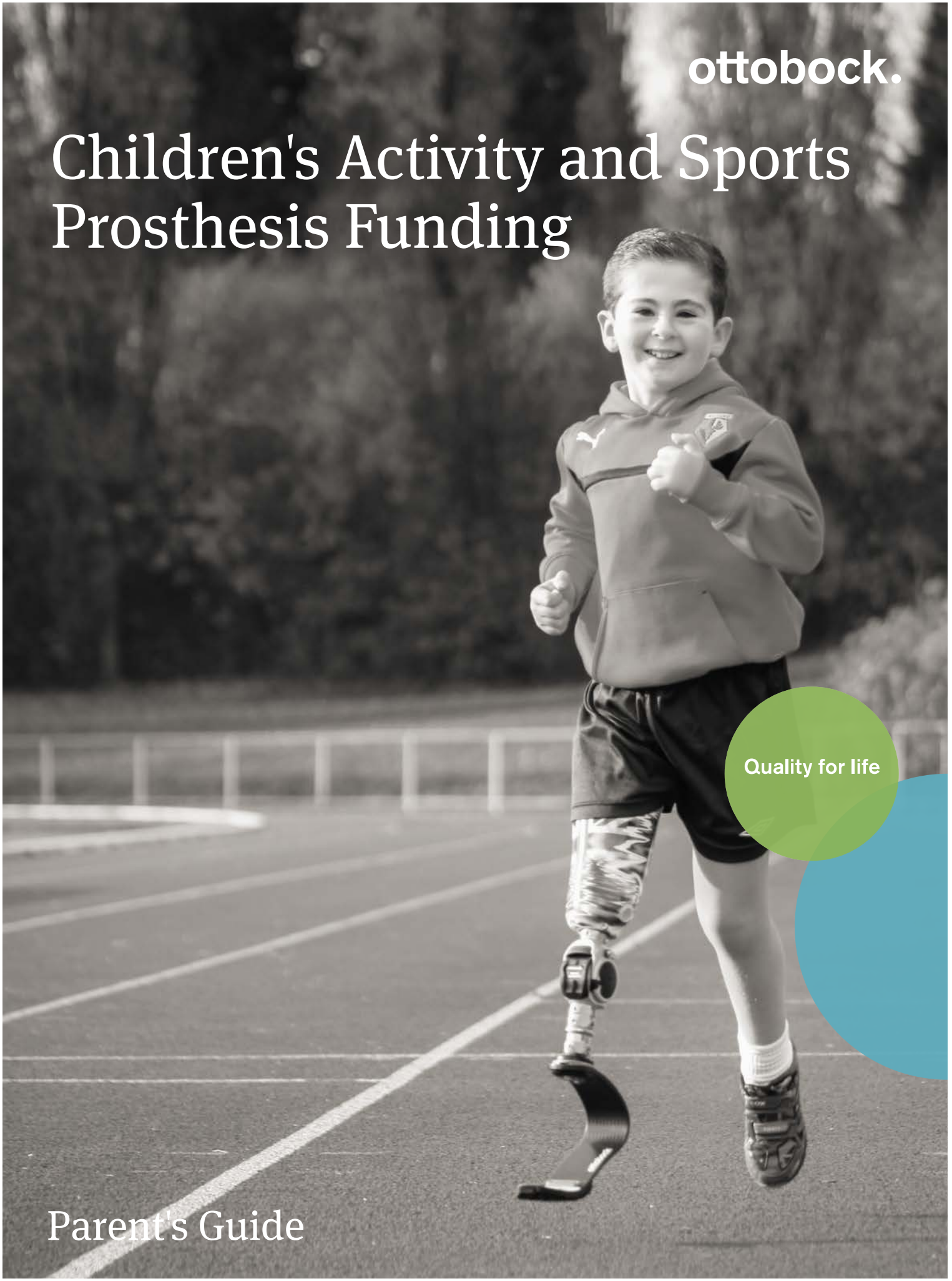
Children's Activity and Sports Prosthesis Funding



Quality for life

Parent's Guide

Children’s Activity and Sports Prostheses

NHS funding available

The Department of Health has made the exciting decision to fund activity and sport limbs in England, for children who have suffered from limb loss or who were born with a limb deficiency.

Until now, there has been no dedicated funding available for children's activity or sports prostheses. This decision allows amputee children, previously restricted to standard everyday prosthetic limbs, to become more active and involved in physical activity.

Whether it's to be involved in PE, participate in organised sports or just have fun with friends, our Ottobock experts are on hand to support parents through the entire application process. This parent's guide was collated to help breakdown down the policy and assist you in finding the most suitable prosthesis for your child.

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The Policy

From now until the end of March 2020, the Department of Health has dedicated £500,000 to fund activity and sport prostheses for children and young people under the age of 18.

The money is available to NHS England Limb Centres only, with Prosthetists requesting the funds via the relevant application forms directly from the Department of Health.

Clinicians may prescribe prostheses up to the value of £5,000 per limb (not per child), which includes all associated costs of fitting, such as new socket construction and liners. For any individual prosthesis of greater value, special approval can be sought.

The charity LimbPower are working alongside the Department of Health in an administrative role, to support families with policy advice. They are not able to offer prescription or medical advice.

"Sport and activity participation helps to provide a healthy self-image to children with limb deficiencies."

ACPOC (The Association of Children's Prosthetic-Orthotic Clinics)[1.]

"My new blade lets me run even faster than before, especially in the playground. I can't wait to play with my friends and show them how fast I am!"

Rio Woolf, 8 years old

Eligibility

The following criteria must be met in order for funding to be approved.

A. The child or young person is under the age of 18 when assessed for their prosthesis.

B. The child or young person has suffered limb loss or congenital limb deficiency. The prosthesis can be for any limb (or limbs if the child has multiple limb loss or deficiency). Upper and lower limb components are included.

C. In the opinion of the clinicians in the Limb Centre, the child or young person is fit to engage in physical activity.

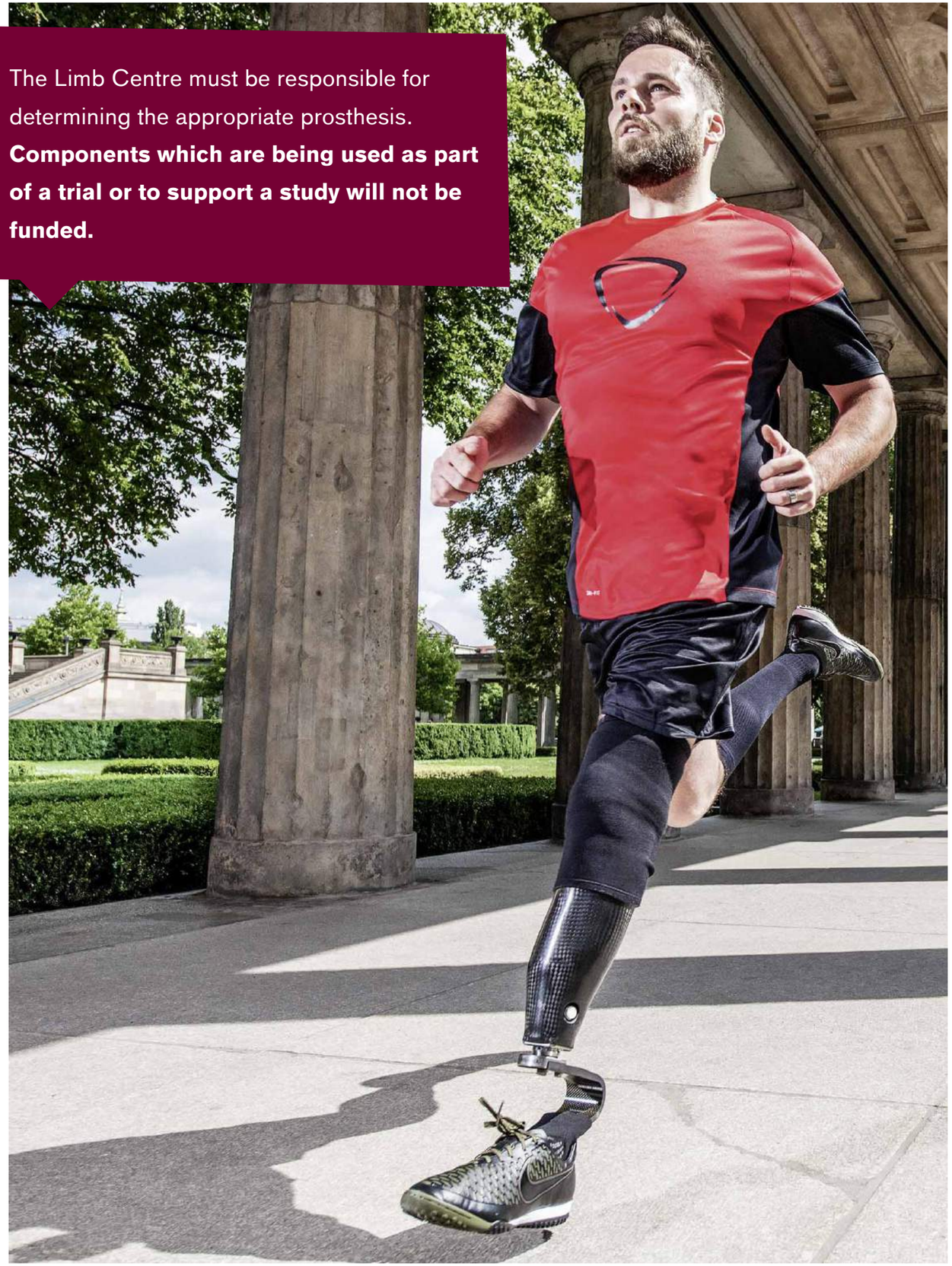
D. In the opinion of the Limb Centre, the child or young person will benefit from the prosthesis and from engaging in physical activity. Physical activity may include PE, sports or games at school, recreation, playing with friends, organised sporting activity, etc.

E. In the opinion of the Limb Centre, the prosthesis is appropriate for the child or young person and for the activity for which it is intended.

F. The Limb Centre is confident that there is a need for the prosthesis and that it will be used for more specialised activities (e.g. canoeing, rock climbing - there is a demonstrable interest in the sport or a history of participation).

Where possible patients should trial a prosthesis.

The Limb Centre must be responsible for determining the appropriate prosthesis. **Components which are being used as part of a trial or to support a study will not be funded.**



Activity and Sports Prostheses

Ottobock's full range of waterproof activity and sport prostheses offer children and young people complete choice when selecting the right limb.

Whether participating in competitive sprinting, taking part in team sports or playing around with friends, Ottobock provides both a versatile and comprehensive choice of products to select from.

1E93 Runner Junior

"Sports can improve strength, endurance and cardiopulmonary fitness while providing companionship, a sense of achievement and heightened self esteem."

Journal of the American Association of Orthopaedic Surgeons [3]

Specifically designed for active children with a body weight of up to 45kg (approx. 12 years old), the Runner Junior is a durable lightweight carbon blade which can be adapted to suit each individual child's running style.

Whether on the school field, playing with friends or at the local running club, the waterproof Runner Junior is the ideal choice for those children with below knee amputations and when fitted with a 3S80 Sport knee joint, forms the perfect active solution for knee disarticulation and above knee amputees.

1E91 Runner

A single session of moderate physical activity has an acute benefit to brain function, cognition and scholastic performance in children..."

British Journal of Sports Medicine [4.]

Suitable for young adults with a body weight from 40kg – 125kg, the waterproof Runner is the perfect choice for those with athletic ambition. From beginner to high performance levels the lightweight carbon fibre blade, like the Runner Junior, can be adjusted to suit your child's specific active needs.

Switching between the spike sole and the runner sole makes the blade suitable for both recreational and track activity but is ideal for a more comfortable, bouncy style of running. Teamed up with a 3S80 Sport knee joint, the Runner is also perfect for knee disarticulation and above knee amputees.

1E90 Sprinter

For younger adults with a body weight of 40kg – 100kg, the Sprinter's spring shape is specifically designed for maximum energy return which lends itself exceptionally well to competitive running and sprinting.

The Sprinter has proven itself in International and Paralympic Competition as the foot of choice for outstanding performance and when paired up with the 3S80 Sport knee joint, makes for the ultimate gold medal winning combination.

The Sprinter has a large range of different fitting adapters which means those with Symes and long below knee amputations can also be fitted. The 1E90 Sprinter is also available for custom orders.

1E95 Challenger

Amputees participating in sports and physical activity were found to have improved fitness, psychological well-being and better social reintegration.

Journal of Sports Medicine [6]

The Challenger is the ultimate fitness foot for young adults, both beginner and competitive, wishing to take part in sport and other physical activity. Whether playing basketball, badminton, netball, hockey or football, the 1E95 is a great option for field, court and running sports.

The foot provides superb shock absorption and energy return for wearers, allowing for comfortable yet fast movements. Added stability and excellent control during rapid motion gives Challenger wearers an edge over the competition. Worn with a shoe, the waterproof Challenger is the ideal foot for the sportiest of amputees.

3S80 / 3S80=1 Sport Knee Joint

Ideal for both children and young people with knee disarticulation and above knee amputations, the 3S80 Sport knee joint is specifically designed for running sports and activities and is well documented as the knee of choice for International and Paralympic Competition.

The knee contains a manual lock to allow for secure standing, which is particularly helpful for training, warming up and stretching exercises. The 3S80=1 Sport knee joint is ideal for those who benefit from less resistance, such as children or well established sprinters. The knee joint also carries the added bonus of being waterproof.

Neurotransmitters and endorphins, released during exercise create feelings of happiness and elation and can help overcome psychological issues such as depression, often occurring after amputation.

LimbPower [7.]

ProCarve

Sport based programmes have been shown to improve the learning performance of children and young people, encouraging school attendance and a desire to succeed academically.

International Platform of Sport & Development [5.]

Perfect year round, ProCarve is the first choice prosthesis for young people, weighing up to 100kg, wishing to take part in both summer and winter sporting activities.

Whether your child's passion is downhill skiing, snowboarding, wakeboarding or water-skiing, ProCarve is suitable for both beginners and the most ambitious.

The high performance system is sturdy, wear-resistant and waterproof. The ability to disengage the knee also provides comfortable sitting down for wearers (e.g ski lifts).

Below knee amputations can use the ProCarve foot component by itself and when used together with the ProCarve knee, the system is ideal for knee disarticulation and above knee patients. ProCarve is the complete active snow and water sports solution.

Aqualine

Suitable for above and below knee amputees weighing below 150kg, our fully water and corrosion proof Aqualine system is the ideal choice for amputees participating in water based activities.

With an integrated lock for added security, the Aqua Knee and Foot feature a high degree of anti-slip functionality, providing wearers with a increased level of safety. The specially textured sole for extra grip is also critical when walking in slippery, wet areas.

Whether surfing, sailing, kayaking or having fun at the waterpark, Aqualine is the perfect system to combat the challenges your children may face in wet areas.

Harmony

Ottobock's active volume management system, Harmony, is the ideal accompaniment to above and below knee sport prostheses. By means of a pump, the Harmony system creates a vacuum between the wearer's liner and socket and when paired with a Polyurethane liner, provides for an unprecedented socket fit.

The ultimate in socket comfort and stump protection, it aids in reducing painful skin conditions and allows your children the freedom to participate in more physical activity, without any socket comfort concerns.

Skeo Liners

Ottobock's Skeo silicone liner range provides your children with the ideal foundation they need to lead more active, physical lives. Easy to fit and manage and with a unique textured surface that creates superior connection with the skin, Skeo liners support extended use for a comfortable socket

With options for both above and below knee amputees, the Skeo range offers anatomically designed liners for a perfect fit, waterproof liners for sports prostheses and Skinguard liners containing antibacterial properties that promote healthy skin and minimise odour causing bacteria by 99.9%.

Designed to suit all wearer needs, the Skeo range is the ultimate fitting solution for your active child.

Derma ProFlex

A perfect fit for the most active children and young people, the Derma ProFlex sealing sleeve is anatomically designed for ultimate comfort.

The sleeve's durability and longevity, reduces the need for replacements and clinical appointments, making Derma ProFlex one of the most robust sleeves on the market to choose from.

Available in two lengths and three different sizes, the sleeve is designed for a suction style socket, giving wearers a perfect socket fit.

Derma Skin Care

As the skin of active amputees is subject to particularly high stresses, Ottobock's Derma Skin Care range has been designed to reduce any residual limb discomfort prosthesis wearers may face. Perfect for the most sensitive and irritated skin, Derma Clean, Derma Repair and Derma Prevent help keep limbs comfortable and healthy, so your child can stay active!

How we can help...

Our Ottobock experts are on hand to help guide you through the children's activity and sports prosthesis funding process.

Clinical Support

Our Ottobock Academy clinicians are available to support you and offer advice about the different types of prostheses available to your child.

Should you wish for your child to trial a limb before applying for funding, we offer free two week trials for all our sport and activity prostheses. Please speak to your Prosthetist, who will be able to organise a trial for your child. We are also able to attend clinic appointments to assist with correct set-up, alignment and fine tuning of the trial limb.

Our Academy team can attend the fitting and delivery of the final prosthesis to ensure your child is getting the very best from their new limb.

If you would like any additional information on our sports and activity limbs such as brochures or flyers, please get in touch with our Academy team. We also have a series of product videos exhibiting the function of our prostheses on our Ottobock UK YouTube channel.

Academy Contacts

Should you require any assistance or advice from our Ottobock Academy clinicians about your child's new limb please don't hesitate to get in touch.

Academy Team Members:

Rachel Neilson

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Alan McDougall

alan.mcdougall@ottobock.com

Get Active Days

Ottobock will be offering children and young people fitted with activity and sports prostheses the opportunity to learn to run and use their new limb.

Stay tuned for more information on our Get Active Days and for how your child can be involved.

Ottobock Fitness App

Helping your children to stay motivated and active, our Ottobock Fitness App helps them keep track of their physical activity.

Developed by physical and occupational therapists, Ottobock's Fitness App supports self-managed prosthesis training for lower limb amputees.

With the goal of helping amputees achieve more mobility, the free app (available on iTunes and the Google Play store) provides users with a variety of different exercises, allowing them to become more active and receive additional support during daily life.

The app provides amputees with two different modules "Strength and Endurance" and "Balance and Coordination" to choose from, as well as three levels of difficulty, ideal for any mobility grade.

A statistical display also tracks your child's progress, allowing them to define and work towards their own goals.

Strength & Endurance

The first module of the app demonstrates exercises specific for strength and endurance training without a prosthesis. Designed to help strengthen the muscles of the legs, trunk and arms, the module's clear moving images are easy to understand and are also accompanied with explanatory text. Guiding users through different exercises, the app is an easy way to introduce more exercise into the life of your child.

Balance & Coordination

Focusing on balance and coordination, the second module includes exercises amputees are able to undertake whilst wearing their prosthesis. Taking users through simple sequences of movement, the module aims to help amputees gain better control of their prosthesis on a daily basis. Again, amputees will find easy to follow images and text, guiding them through their exercises.

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