

## FAQs:

### What are the services that we offer?

Clinical Orthotics, Prosthetics, Developmental devices & Mobility solutions.

### How we work?

We generally work with referrals from orthopedic, diabetic & neurology clinics, hospitals & therapeutic centers across Odisha & neighboring states.

### Who are we?

We are a team of O&P clinicians and therapists certified under Rehabilitation Council of India for clinical fitments.

### What are the charges of consultation & clinical fitments?

We charge nominally for consultation & the charge for clinical fitment would depend on the type of devices prescribed, but mostly our devices are cost effective & durable.

### What is the fitment duration for an O&P device?

Fitment of customized O&P devices would take around 2 weeks from the date of casting and ready-made would depend on the availability of stock. Imported components/devices may take around 3-4 weeks to deliver. Gait training and other post-fitment procedures would depend from patient to patient.

### How a post-fitment issue is managed?

After a fitment, patient's issues like weight gain/loss, growth and deformations due to any trauma may lead to mal-fitting of O&P devices, we generally do not charge for any minor mending, however for any major changes we charge accordingly.



Dr. Panda Memorial

# Locomotor Rehabilitation Clinic



PRACTITIONERS DESK REFERENCE

### Contact Details:

**LOCOREHAB**

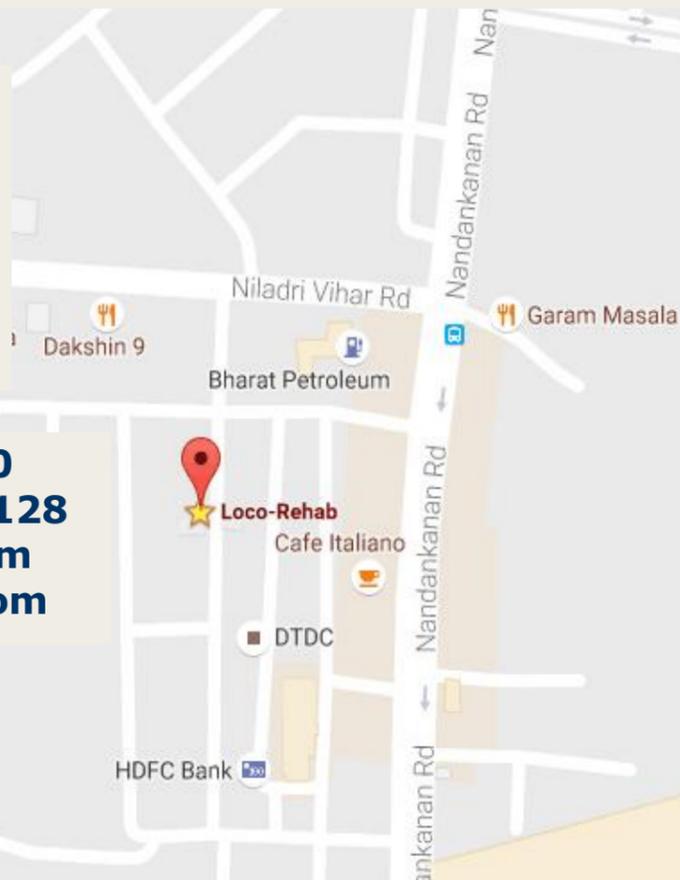
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Orthopaedics & Rehab  
Orthotic & Prosthetic Services  
Physical Therapy

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**Dr. Panda Memorial Locomotor Rehabilitation Clinic** (Loco-Rehab) offers a range of world class orthopaedic & rehabilitation technology services for a large numbers of musculoskeletal diseases & deformities. Our skilled team of clinicians & technicians strives to improve the lives of patients who have lost a limb or suffered a debilitating injury or disease.

DR. PANDA MEMORIAL LOCOMOTOR REHABILITATION CLINIC

“Preventing diseases rather than curing them makes more sense”  
 – Deepak Hiwale



ORTHOTICS, PROSTHETICS & MOBILITY SOLUTIONS

### Aim & Objective

At Loco-Rehab our goal is to help patients get rid of their diseases or deformities by proper diagnosis, treatments & follow-up programs, so that they live as independently as possible.



Whether our patient want to walk comfortably in their home, spend the day outdoors with their family or run marathons, we will work with them every step of the way and make their dream a reality. We provide each patient with extensive clinical education along with the support and encouragement needed to pursue personal goals.

### What is so special about us?

We take time to prescribe and provide our patient with the best possible solution and technology.



We deliver each biomechanical systems required for our patient, very particularly according to the prescription and need.



Our technicians & clinicians use different materials & technology to fabricate devices those are extremely light in weight, robust, cost effective, cosmetically appealing & skin friendly.



### PEDIATRIC ORTHOTICS

Pediatric orthotics are always different from others. Only by understanding the deformity & providing a solution does not stop the issue, the main issue is making the child accept the orthosis.



In order to achieve so we generally start with their favorite colors and patterns from our collection. The second most important issue is the interface materials; they should not react with the soft skin of a child, we generally offer medical graded plastics & liners to limit infections & abrasions. Most importantly a smiling child with the orthosis on makes us happy.



### MOBILITY SOLUTION

Not every demand of child, teen or adult who uses a wheelchair is the same, so why should every wheelchair be the same?

At Loco-Rehab, we deliver custom wheelchairs (prescription wheelchair) with a variety of features that can be tailored to the unique needs of any user.

We offer customized **control options** i.e. sip & puff, chin or joystick for independence irrespective of the extend of disability. ultra light weight **indoor or outdoor** wheelchairs, **electronic/ manual positioning** assists for comfort and safety, variations in **driving range**, battery life & **frame construction** mostly user-centric designed mobility solutions.



“Miracles are not contrary to nature but only contrary to what we know about nature.”

— Augustine of Hippo

“There are only two ways to live your life. One is as though nothing is a miracle. The other is as though everything is a miracle.”

— Albert Einstein

For all our devices we generally have two options for the **outer rigid structure**: *Reinforced Polypropylene & Carbon Fiber Laminates* and three options for **inner soft lining**: *Soft Polyethylene Copolymer (OrthoFlex), Multifoam/Ethafoam/Pediline & Super soft Plastazote/ Evafoam.*



All new state-of-art O&P laboratory of international standards.

A strong network of international & national rehabilitation facilities, no matter where our patient goes we can follow-up him/her in there.



### PROSTHETIC SERVICES:

Prostheses (artificial limbs) are devices used for the external replacement of any part of our body mostly limbs. They are custom designed to allow people living with the absence of a limb to participate in normal daily activities.

A **prosthetist** is a trained expert in the field and knows how to build biomechanically suitable sockets and achieve ideal alignment for optimal comfort, function and cosmetics.



At Loco-Rehab we deal with the clinical fitment & training of various kinds of prosthesis.

### FES

Functional Electrical Stimulation (FES)/Neuro-Prosthesis devices are the most advanced rehabilitation devices that provide artificial neural impulse to the affected limb via surface electrodes which mimics the normal human locomotion/ prehensile functions. It is generally prescribed for UMN lesion.



### Knee Brace

We offer a variety of customized & semi-customized knee orthosis starting from off-loading knee brace for grade 2 or 3 OA knee to post-op braces for ligament injury.



### Spinal Brace

We also provide custom spinal braces for spinal deformities like scoliosis, kyphosis etc. stabilization system for spinal fractures and post-op braces.



### Compression Stockings

**Compression stockings** are a specialized hosiery, designed to help prevent the occurrence of, and guard against further progression of venous disorders such as edema, phlebitis and thrombosis. We provide ready made as well as customized compression



“An expert is a person who has made all the mistakes that can be made in a very narrow field.”  
 — Niels Bohr

“The art of medicine consists of amusing the patient while nature cures the disease.”  
 — Voltaire

Some of our prosthetic options are:

- Immediate Post-operative Prosthesis
- Exoskeletal Systems
- Endoskeletal Systems
- Vacuum Assisted Sockets
- Prosthetic management of congenital limb deficiencies
- Microprocessor Knee & Ankle
- Advanced AK Socket Design
- Upper extremity Myo-electric & Bionic Prosthesis
- High definition cosmetic restoration (Anaplastology)



### How we deliver an International standard Prosthesis?

Our highly experienced Clinicians work with our patients and their family to evaluate their needs and recommend them the best possible prosthesis that offers an excellent fit, function and cosmetics.



### Computer aided component selection:

In this era of software technology we use prosthetic selection software like Pro-Create® by Streifenederortho.production, Germany; to select the best possible components available for an individual. And this is done after thorough assessment of the Walky Grade and weight of the patient.



### PEDORTHICS

Pedorthics is a branch of medical science that deals with proper biomechanical assessment of foot and employing supportive devices to address different foot pathologies. It is derived from two terms '**pedo**' meaning foot '**orthics**' meaning orthotics.

Foot is the most neglected part of a human being, though foot controls the knee movement, hip joint stability & spinal alignment, yet nobody cares for the foot. According to latest research majority of knee pain, low back pain etc. are associated with deformed/pathologic foot or improper footwear. We are the only clinic in all eastern India to provide computerized foot scanning and variety of custom foot orthotic (insert) options & Off-the-self solutions like diabetic shoes, off-loading shoes etc.

The secret ingredient to our successful outcome of foot orthosis lies in the casting procedures and the different grades of materials those are used.

Foot pathologies like neuropathic foot, ulcerated foot, deformed foot (bunions, hammer toe, flat foot, pronated foot), overuse acquired foot problems (plantar fasciitis, tendonitis) painful conditions (calcaneal spurs, PTTD, metatarsalgia, corns), insoles for high activity during sports are generally treated by our unique foot orthotic program.



“Everything you can imagine is real.”  
— Pablo Picasso

“Surgeons can cut out everything except  
cause.”  
— Dr. Herbert M. Shelton

### What is Walky Grading system?

Now-a-days prosthetic components are based on the activity level of the end user, Walky system categorizes an individual functional ability i.e. Walky1 (Indoor walkers), Walky2 (Restricted outdoor Walkers), Walky3 (Unrestricted Outdoor walker) & Walky4 (Unrestricted Outdoor walker with particularly High Demands).



The weight of the patient also plays an important role in component selection, accordingly components made out of materials like Aluminum Alloy, Stainless Steel & Titanium are recommended for an individual.



After the final component selection we start our process of prosthetic fabrication.

The fit and function has to be achieved so we try our patients with a diagnostic socket (generally made out of Polypropylene) before going for a definitive socket (made out of high strength carbon/ kevlar braids) followed by gait training by our trained therapists. Before delivering a Prosthetic system we cross check each component and educate the patient to take care and maintain the device.



### How we deliver a custom orthosis?

After thorough assessment, we start by taking a negative cast of the deformed or diseased part keeping in mind the correction/function we need to achieve. Then we take out a positive plaster model from the cast and modify/rectify it accordingly followed by the process of joint alignment (if any) and laminate it using a variety of options according to desired flexibility/rigidity.



Quality is our main concern, our each devices undergoes through series of quality checks before trail with the patient.



After the optimum fit is achieved, he/she undergoes the most important phase i.e. gait training.



Our gait lab is equipped with all the modern equipments those may be necessary for a successful training.

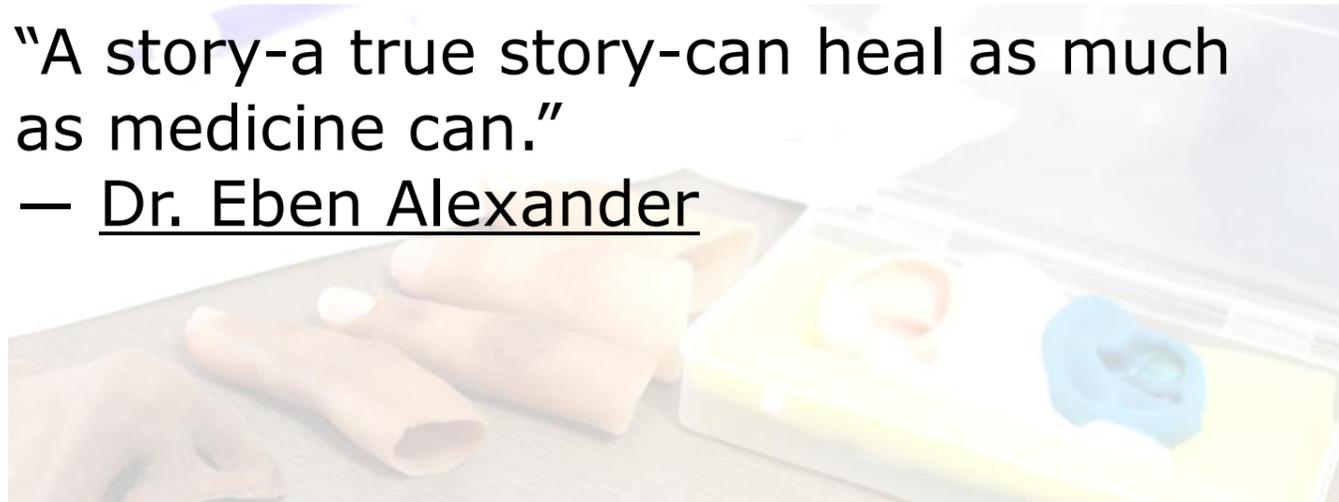


Our Physical therapist usually look into the training program, modifications are done on the orthosis if demanded during the training.



“A story-a true story-can heal as much as medicine can.”

— Dr. Eben Alexander



DR. PANDA MEMORIAL LOCOMOTOR REHABILITATION CLINIC

“Believing is half the cure.”

— Toba Beta



ORTHOTICS, PROSTHETICS & MOBILITY SOLUTIONS

### ANAPLASTOLOGY

Anaplastology is a branch of medical science dealing with cosmetic restoration of a lost or deformed part of a human body. The range includes **orbital prosthesis, ocular prosthesis, auricular prosthesis, nasal prosthesis, breast prosthesis & digit prosthesis**



A negative cast is often taken via silicon putty or alginate on the patient's lost or deformed part. Then a positive mold is taken out via dental wax from the negative cast, which is then modified and a die is prepared.



After the preparation of the die, the most important procedure is followed that is silicon color matching & pouring.



Depending on the design silicon prosthesis can either be osseointegrated or suspended via a medical grade adhesive.

We provide in house fabrication of high definition silicon prosthesis which matches to individual color tone, texture etc. in minute details up to 80% of the lost part. Also we provide breast prosthesis for post mastectomy patients which generally comes ready made.

### ORTHOTIC SERVICES:

Orthoses (splints/ braces/ calipers) are medical devices that repairs, supports or immobilizes a human body part to heal, improve function, correct deformity or manage pain. We provide custom as well as readymade orthotic solutions for varied range of diseases and deformities.

The orthotic industry in the world have changed from heavy metallic calipers attached to the leather shoes to light weight polymer materials. Various light weight & user friendly materials are used to fabricate custom orthosis starting from Low Temperature thermoplastic to Thermosetting plastics.

Some of our orthotic services are:

- Pedorthic (Foot Orthotics)
- Lower Limb Orthoses (Braces/ Caliper)
- Functional Bracing (Fracture Brace)
- Compression Stocking
- Off-loading Osteoarthritis Knee Bracing
- Microprocessor Orthotic Knee
- Spinal Orthotics
- Upper Limb Assistive devices
- Paediatric Orthotics
- Cervical HALO Bracing solutions
- Functional Electrical Stimulation (FES) Devices

