

GameCycle™

GameCycle encourages exercise and facilitates adherence to rehabilitation and exercise regimens.

The unique upper body exercise machine combines the fun of video games with exercise. The patient chooses from a variety of Nintendo games they control by hand cranking and steering the upper body cycle machine. Benefits include visual-motor integration as the participant matches upper extremity movement, and visual feedback from the video game. Also, bilateral integration or hemiplegic neglect is addressed because both arms must work in unison to control the game.



Infrared Phototherapy

The Anodyne Therapy System is a non-invasive, drug-free device that delivers Monochromatic Infrared Energy (MIRE) through infrared light-emitting diodes that are mounted in flexible therapy pads. When the therapy pads are placed in direct contact with the skin, the invisible infrared light is absorbed by cells in the body and blood vessels begin to dilate, resulting in increased circulation in that area. Increased blood circulation stimulates healing and relieves pain. This device is FDA approved.



Makoto™

Makoto is a fitness game that enters the new world of mental training - the final frontier of fitness.

The primary health benefit is the improvement of the neurological link between the brain and body. By improving this communication between the brain and body, dramatic improvements can be achieved in: eye/hand coordination, quickness and reaction time, focus and concentration, mental acuity, cardiovascular endurance and stress reduction.



SaebFlex™

The SaebFlex is a revolutionary new rehab device that assists neurologically impaired individuals with opening their hand for grasp and release activities that would otherwise be impossible. The SaebFlex is a dynamic splint that features a spring-loaded system. In addition, the SaebFlex is non-electrically based and is purely mechanical.



HealthSouth's
Products and Services

A Higher Level of Care

HEALTHSOUTH
Rehabilitation Hospital

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Rehabilitation Hospital

HealthSouth's Products and Services



Comprehensive Rehabilitation Services

HealthSouth Rehabilitation Hospital offers specialized inpatient and outpatient rehabilitation services to help patients reach maximum outcomes. These services include:

- Amputee rehabilitation program
- Amputee clinic
- Brain injury rehabilitation
- Parkinson's disease/movement disorder rehabilitation and management/deep brain stimulation program (DBS), electrode adjustment; a national Parkinson's treatment center with Neurologist and Movement Disorder Specialist
- Stroke rehabilitation program - Therapists specially trained in neuro-developmental treatment (NDT). Includes use of the Interactive Metronome, Neurological rehabilitation program including VitalStim™, and the AutoAmbulator
- Neurological rehabilitation program, including multiple sclerosis, muscular dystrophy, Guillain-Barré syndrome and ALS
- Dysphagia Management – includes VitalStim - the only FDA-approved neuromuscular electrical stimulation modality for the treatment of dysphagia
- Swallow-study videos offered on site
- Lymphedema program – therapist is trained in combined decongestive therapy (CDT), hygiene, topical skin care strategies, multi-layered bandaging techniques and remedial exercises
- Orthopedic rehabilitation – specializing in rehabilitation of hip fractures
- Pre-driving clinical evaluation
- Heated therapy pool with individualized exercise program

- Home health care – Full-service home care including nursing, home health aide, physical therapy, occupational therapy and speech therapy services

Targeted Rehabilitation Program Components

We offer a variety of rehabilitation programs and options for our patients' greatest outcomes and convenience.

- **Inpatient Rehabilitation** – physical therapy, occupational therapy and speech therapy five to seven days a week; 67 inpatient acute rehabilitation beds
- **Comprehensive outpatient rehabilitation** – physical, occupational and/or speech therapies
- **Day treatment program** – A monitored intensive rehabilitation program on an outpatient basis with two or more therapy disciplines that provide rest periods between therapy sessions

Specialized Technology

The advanced technology we offer includes the latest treatments for improvements for many conditions. Many patients experience amazing results when working with the programs available at HealthSouth:

- AutoAmbulator
- Interactive Metronome
- GameCycle
- Makoto
- SaebFlex
- Infrared Phototherapy

AutoAmbulator™

A sophisticated treadmill device unparalleled in its ability to help patients replicate normal walking patterns. The AutoAmbulator uses the concept of body weight-supported ambulation and robotics to simulate normal walking motion. Indications include stroke, spinal cord injury, traumatic brain injury, multiple sclerosis, Parkinson's disease, orthopedic conditions, general debilitation and deconditioning, and any condition that results in gait abnormality.



Interactive Metronome™

The Interactive Metronome (IM) is a brain-based rehabilitation assessment and training program developed to directly improve brain performance and recovery using innovative neurosensory and neuromotor exercises. This, in turn, strengthens motor skills, including balance and gait, endurance, fine and gross motor skills and coordination; improves cognitive skills including attention and concentration, motor planning and sequencing, language processing and behavior. The IM provides a structured, goal-oriented training process that challenges the patient to precisely match a computer-generated rhythmic beat. The overall benefit to the patient is improved independence with activities of daily living.

