

# Istituto Prosperius Tiberino

Rehabilitation Hospital and Outpatient Clinic

Umbertide, Umbria, Italy

Istituto Prosperius Tiberino is a private rehabilitation clinic offering both inpatient and outpatient rehabilitation to neurological, orthopedic, and sports injury patients. It is located in Umbria, the region of Italy to the immediate east of Tuscany. Umbria, called the “Green Heart of Italy” because of its agricultural production, is also known for its art and culture, its hill towns, and its history as the center of world-wide Franciscanism. Assisi, Gubbio, and other sites important to the Franciscan tradition are within one hour’s drive of the clinic. The facility is part of the Prosperius Group, which also sponsors medical, surgical, diagnostic, and outpatient rehabilitation facilities in Florence, Tuscany and elsewhere.

The Istituto was the first public-private joint venture in health in Italy. The Italian Ministry of Health partnered with the physician owners of Istituto Prosperius to found the rehabilitation center and to link it to a public, acute care institution, the general hospital of the town of Umbertide. This hospital physically adjoins the Istituto, although it is under separate governance and has a separate staff. The Istituto is able to offer all stages of rehabilitation defined by the Italian Ministry of Health, from acute to outpatient to community-based. The Istituto is also a research center and offers periodic rehabilitation-oriented conferences in collaboration with other institutes and universities.



**Istituto Prosperius Tiberino – front facade**

The Istituto is staffed to handle 200 rehabilitation patient treatments daily, both inpatient and outpatient, in a comfortable environment that includes 112 beds. Architecturally, the Istituto is designed to fit a human scale and to constitute a warm and welcoming environment.



**Istituto Prosperius Tiberino – Entrance Foyer**

Istituto Prosperius Tiberino organizes clinical education for Italian physical therapy students from the physiotherapy program at the University of Perugia. They have also hosted student interns from other countries in the European Union. Local facilities are available to house student interns. Student interns are provided lunch at the facility at no charge. Multiple therapists available to serve as clinical instructors speak English, as does the facility's full-time neurologist.

Neurological patients admitted to the Istituto include those with spinal cord injury, stroke, multiple sclerosis, parkinsonism, head trauma, and neurodegenerative diseases. A team model of care is employed. Members of the team include physicians (physiatry, internal medicine, and neurology), physical therapists, occupational therapists, speech/language pathologists, art therapists, neuropsychologists, and social workers.



**Istituto Prosperius Tiberino – Neurological Rehabilitation (Patient with MS)**

Patients are rehabilitated to the highest functional level, and a sports rehabilitation approach is employed when appropriate.



**Istituto Prosperius Tiberino – Strength Training and Sports Rehabilitation (Patients with SCI)**

The Istituto has pioneered the use of advanced technology in the rehabilitation of neurological patients and is one of the leading centers in Italy using robotic therapy to assist in ambulation and upper extremity function. The Istituto has a Lokomat driven gait orthosis unit and has offered conferences to professionals who desire to learn to use the device. In addition to assisting in improving ambulation, the

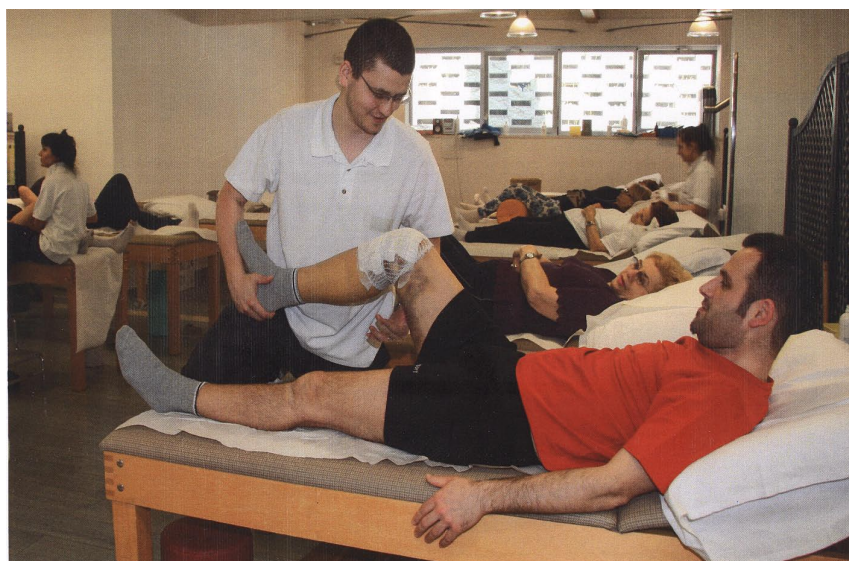
unit has also been found to be useful to train the cardiovascular system, to reduce spasticity and rigidity, and to preserve bone density.

The Istituto was the first facility in Europe to use both the EKSO and the Indego lower extremity exoskeletal ambulation units. The Istituto serves as a site to perform investigative research on these robotic ambulation devices, developed in the United States by Ekso Bionics and Parker Hannafin.



**Istituto Prosperius Tiberino – Lokomat (Patient with SCI)**

The Istituto provides rehabilitation services for orthopedic patients with total joint replacement and those who have had traumatic injuries due to accidents and sports. Admitting patients immediately post-surgery, the orthopedic and sports rehabilitation services treat patients through to return to the highest level of function.



**Istituto Prosperius Tiberino – Post-surgical Ortho Rehab (Patient s/p ACL/PCL repair)**

The Istituto has two large therapy pools, one equipped with underwater steppers and treadmills. The pool's buoyant and resistive qualities are used for orthopedic and neurological patients.



**Istituto Prosperius Tiberino – Aquatic Therapy Pools**

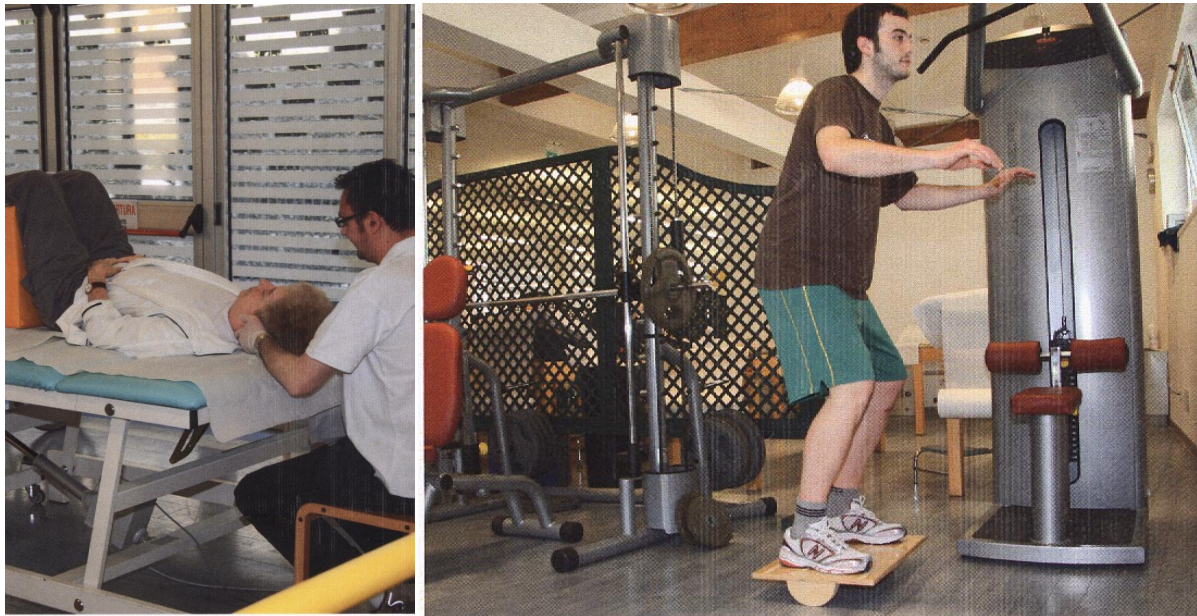


**Istituto Prosperius Tiberino – Aquatic Therapy for proprioceptive training**

Individual treatment areas and a full orthopedic/sports gym are available for patients treated for all conditions from amputation to total joint replacement to extremity joint injury to mechanical back and neck pain.



**Istituto Prosperius Tiberino – Ambulation Training (Patient s/p Total Hip Replacement)**



**Istituto Prosperius Tiberino – Manual Therapy and Proprioceptive Training**



**Istituto Prosperius Tiberino – Strength and Proprioceptive Training**

**Based on promotional literature and interviews provided by:**

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