## Advancing Swallowing & Speech Rehabilitation with the

# Digital Laryngeal Videostroboscopy System

The Digital Laryngeal Videostroboscopy System helps evaluate the structure and function of the voice box (larynx) and provides vivid details of the movement of the vocal folds during speech. Through the use of strobe-lighting, pictures of the vocal folds vibrations can be compiled into snapshots to produce a "slow-motion" slideshow video illustrating function.

## Who may benefit from the Digital Laryngeal Videostroboscopy System?

Individuals with:

- · Voice disorders
- Suspected abnormalities in the throat (i.e., paralyzed vocal folds, vocal nodules, vocal polyps, Reinke's edema, smoker's polyps)

### How does the Digital Laryngeal Videostroboscopy Strobe System work?

- Allows for the accurate diagnosis of vocal pathology and vocal function through high magnification and the slow-motion features
- Assists in the identification and diagnosis of vocal pathology and vocal movement disorders that cannot be seen by the naked eye
- Provides real-time visual biofeedback to improve voice production skills

#### What are the advantages of using the Digital Strobe System?





The Marianjoy Assistive Rehabilitation
Technology Institute offers solutions to
everyday problems of daily living encountered
by individuals with disabilities. The Institute
consists of seven distinct centers that apply
advancements in technology to benefit
individuals with disabilities through maximizing
functional independence, as well as expanding
educational, vocational, recreational, and
communicative opportunities.

- Assistive Communication and Daily Living Center
- Balance and Vestibular Center
- · Driver Rehabilitation Center
- · Gait Analysis and Mobility Center
- Prosthetic and Orthotic Center
- Swallowing and Voice Center
- · Wheelchair and Positioning Center



To make an appointment or for more information, call

630-909-7150

or visit Marianjoy.org