

DYSPHONIA is a program about impaired voice quality or hoarseness (i.e. dysphonia) mainly due to organic diseases of the larynx. The program aims to facilitate student oriented learning regarding the management of dysphonic patients. The targeted use is for training of undergraduate medical and speech pathology students, postgraduate residents under continuous medical education in the Ear, Nose, and Throat (ENT) discipline, and also others interested in ailments of the larynx or voice. The design of the program is such that no more than a basic knowledge of medicine in general, about anatomy and physiology of the larynx and about function of the voice is required. The program aims to facilitate learning of the management of in the first hand organic voice disorders.

DIAGNOSIS

Definition

Terminology

Prevalence

Etiology

Symtoms

Findings

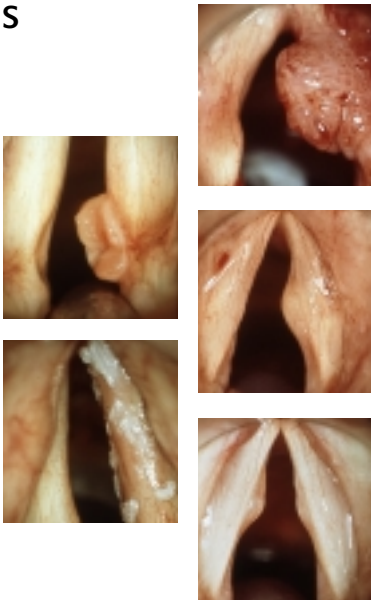
Histology

Diff. Diagnosis

Management

Prognosis

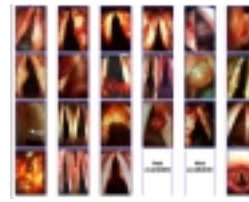
Literature



MAIN



PATIENTS



VOCAL FOLDS



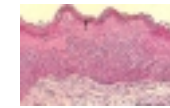
VOICES



VOICE RECORDING



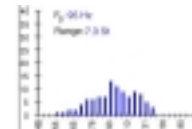
STROBOSCOPY



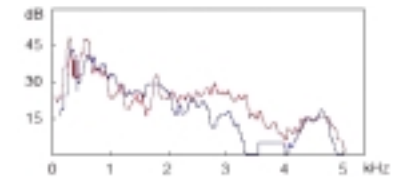
HISTOLOGY



GRBAS



GFA



LTAS

EXAMINATION



TREATMENT



Dysphonia – HESHET – är ett genuint multimedia-program som presenterar ett antal typiska patientfall med heshet till följd av sjukdomar i struphuvudet. Fallen kan väljas ut från sjukhistorien, larynxåkomman eller röstförändringen. Stroboskopi, röstanalys (GFA, GRBAS, LTAS) och histologi kompletterar undersökningfynden som leder fram till diagnos och beskrivning av förloppet. Programmets uppläggning stöder effektiv inläring genom självförhör.

Diagnoser ger en ingående systematisk (nosologisk) beskrivning av de presenterade sjukdomstillstånden. Härvid hänvisas till typfallen och ett stort antal fotografier. Programmet kompletteras av alfabetiska register angående *undersökningsteknik* och *behandling* samt en *ordlista*.

Dysphonia – HEISERKEIT – ist ein echtes Multimedia-programm. Es werden eine Anzahl von typischen Patientenfällen dargestellt, bei denen eine durch Kehlkopferkrankung verursachte Heiserkeit vorlag. Die stimmlichen und laryngologischen Untersuchungsbeobachtungen werden durch Stroboskopie, Stimmanalysen und Histologie ergänzt. Um den Lernprozess zu unterstützen, bietet das Programm reichliche Gelegenheiten zum Selbstabhören.

Unter *Diagnose* erfolgt eine eingehende systematische (nosologische) Beschreibung der vorgestellten Krankheitszustände. Dies geschieht unter Hinweis auf die einzelnen Fallbeschreibungen und eine umfassende Sammlung von Kehlkopffotos. Das Programm wird ergänzt durch alphabetische Register über *Untersuchungstechnik* und *Behandlung* sowie ein *Wörterverzeichnis*.

AUTHORING TEAM

Leif Åkerlund, PhD. Community Medicine, University Hospital, Malmö, Sweden. Sound and image handling, acoustic analyses, animations and graphics, English translation. *Peter Kitzing*, MD PhD, Phoniatician, Rtd. Formerly head of the Dept. of Phoniatics at the ENT-Clinic, University Hospital, Malmö, Sweden, and Professor of Phoniatics at the University of Freiburg, Germany. General scope and phoniatic content, cases, photographs, tape recordings, original Swedish texts and German translation. *Göran Petersson*, MD PhD. The Swedish Net University, Härnösand, Sweden. Medical IT manager. *Henrik Linder*, PositionEtt AB, Stockholm, Sweden. Product design and engineering.

TECHNICAL REQUIREMENTS

Computer with internet connection. The connectivity is of importance for the performance of the program. We recommend a broadband connection, but the system will work, albeit slower, also with a modem. Any kind of browser will do, Microsoft Internet Explorer 5.0, Netscape 4.5, Safari 1.0, and Opera 5.0 or later. Screen resolution can be 800×600 or better.

CERTEC, the Division of Rehabilitation Engineering Research in the Department of Design Sciences at Lund University, Sweden, strives to combine technology and education in ways that people with disabilities will find worth using.

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Dysphonia

A program about hoarseness due to diseases of the larynx.

