

INTRODUCTION

• Aims:
- provide sufficient hydration and nutrition
- in a safe way (avoiding aspiration)
- while maintaining quality of life

INTRODUCTION - THERAPY

- Rehabilitation
- change = plasticity
- neural
- muscular
- improvement
- neural control = functional patterns of movement
- strength and skills

INTRODUCTION - THERAPY

Published in Sensi belief Stress to:

1 Stress Super Sension (2015) \$250-3226.

Translating Principles of Neural Pleasticity into Research on Speech Motor Control Recovery and Rehabilitation

Chickly L. Ludiew.
Reserved Permiss of Memoritagina Decrease and Stress Sent-east, MC Jeannel Memoritagina Decrease and Stress Sension Memoritagina Control (1997).

Assemble Neural Sension (1997).

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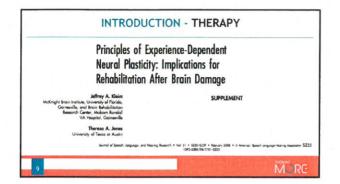
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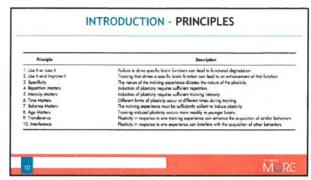
Assembly Translate and Sension (1997).

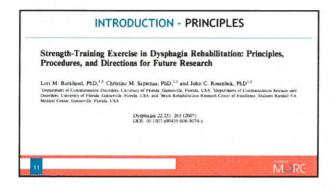
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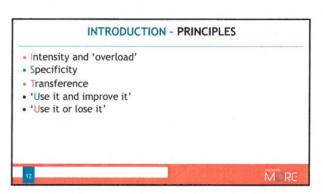
Assembly Translate and Sension (1997).

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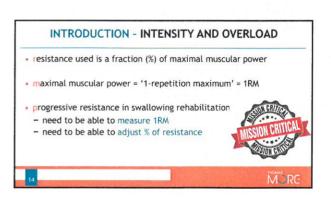


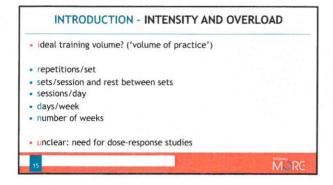


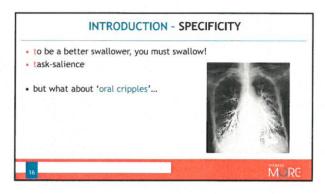




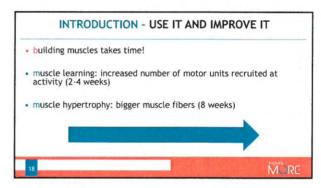
INTRODUCTION - INTENSITY AND OVERLOAD • force the neuromuscular system beyond usual activity to elicit adaptation • progressive resistance: increased muscle strength needs increased resistance

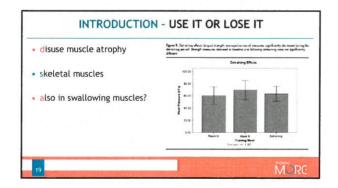


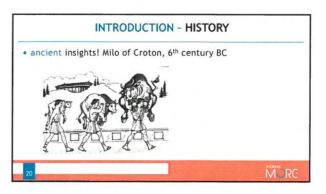






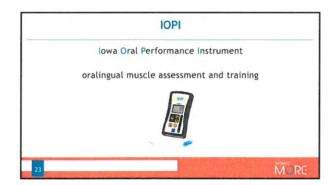


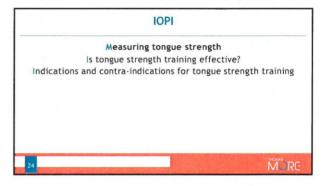






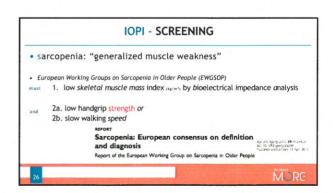


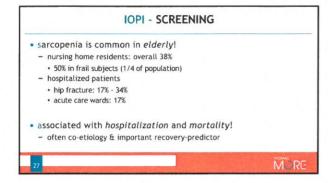


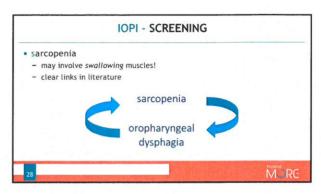


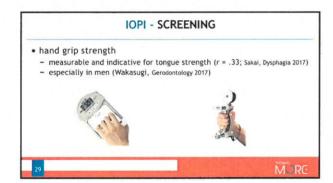
IOPI - MEASURING TONGUE STRENGTH

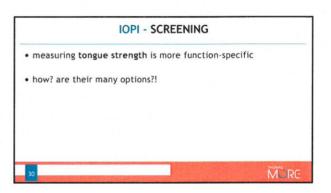
• screening
• pathophysiologic diagnosis
• follow-up

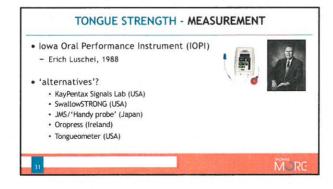


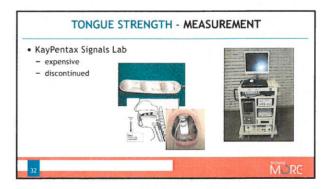




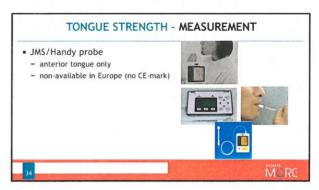




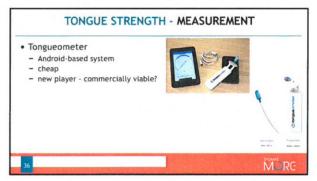


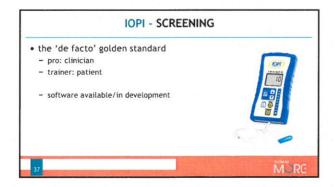


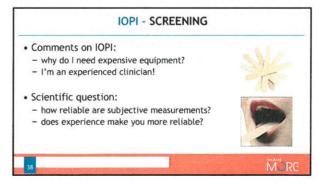


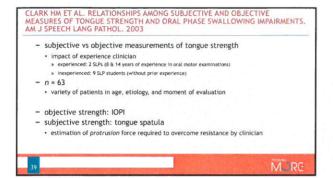


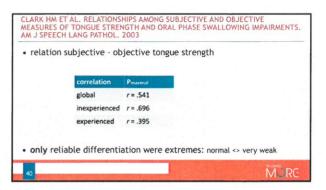


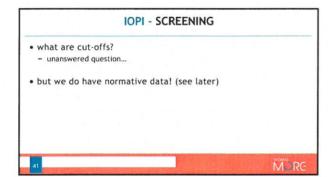


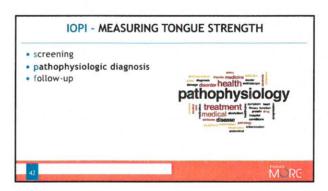


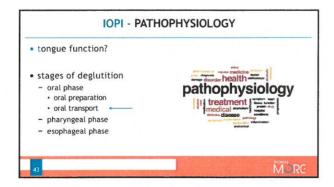


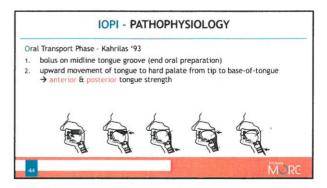


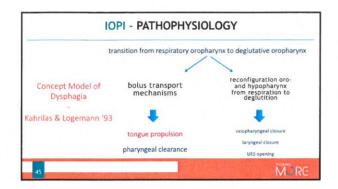


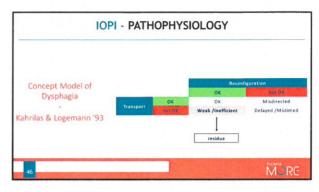


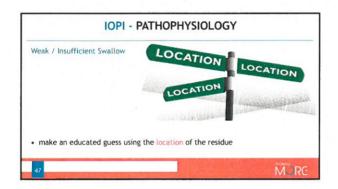


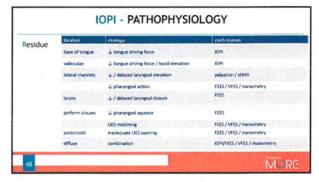


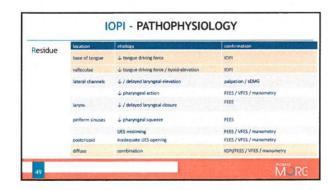


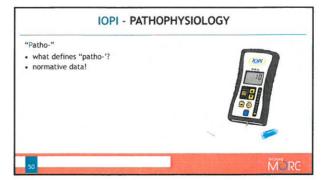


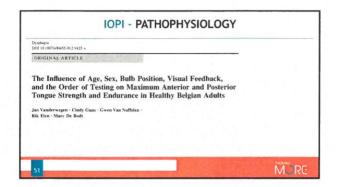


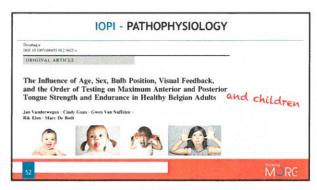


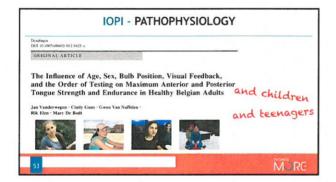


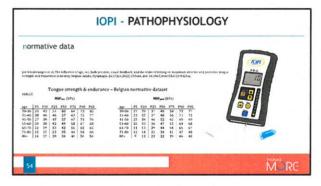


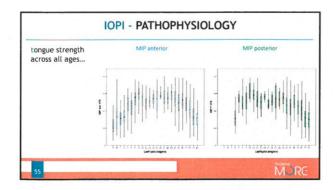


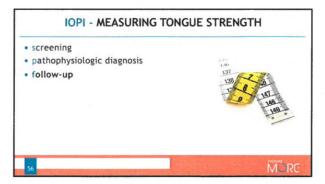


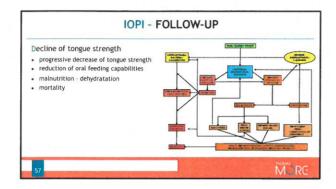


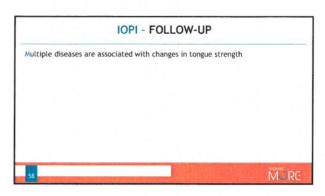


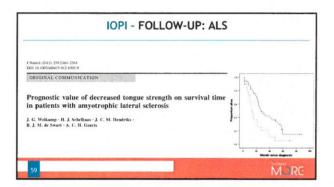


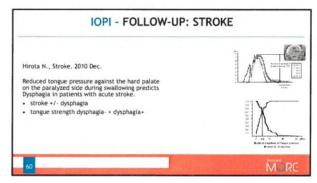












Husaini, Dysphagia 2014. A survey of variables used by speech-language pathologists to assess function and predict functional recovery in oral cancer patients.

9 58 EAF routinely evaluates tongue strength in HKC

only 13% use an objective measurement device

Lazarus, Ann Otol Rhinol Laryngol. 2013. Tongue strength as a predictor of functional outcomes and quality of life after tongue cancer surgery.

Patients with tongue strength a 30 kPa: better performance status scales and multiple QOL measurements

Lazarus, Dysphagia. 2014. Functional outcomes and quality of life after chemoradiotherapy: baseline and 3 and 6 months post-treatment.

Tongue strength, cheek range of motion (ROM), and saliva production significantly lower 3 and 6 months after baseline

