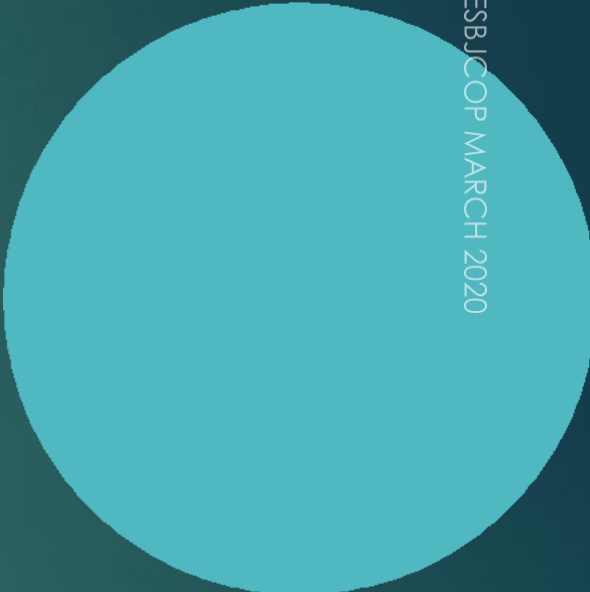




DESBUCOP MARCH 2020



Currents

DIPTEE BHOLE

Overview

- Current Name
- Figure
- Parameters
- Advantages, Disadvantages
- Application

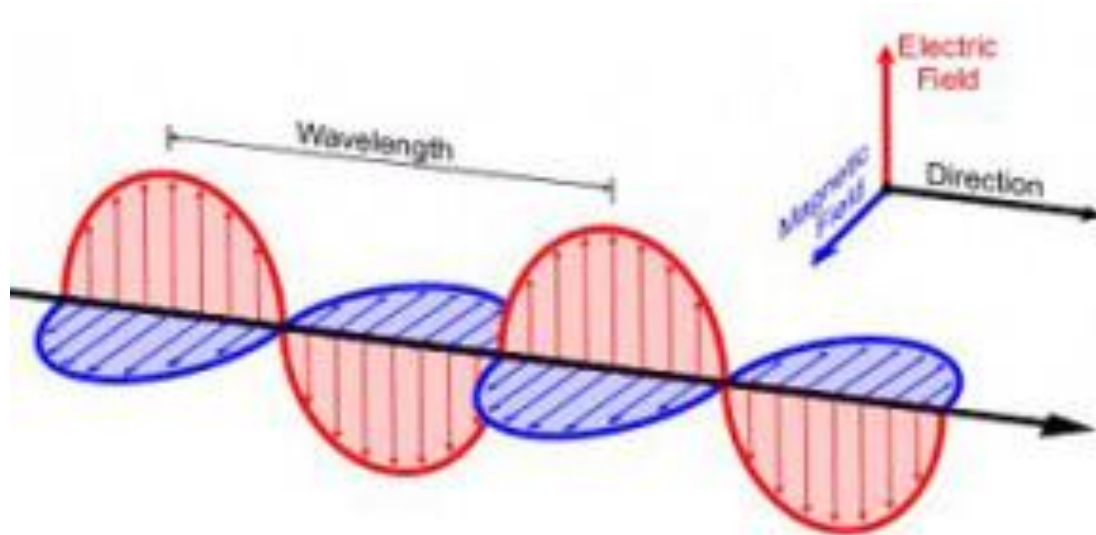
Therapeutic Currents

Currents:

- What are they??
- Why should they be used??
- Can they be used??

Environmental currents

Diptee Bhole
Associate Professor

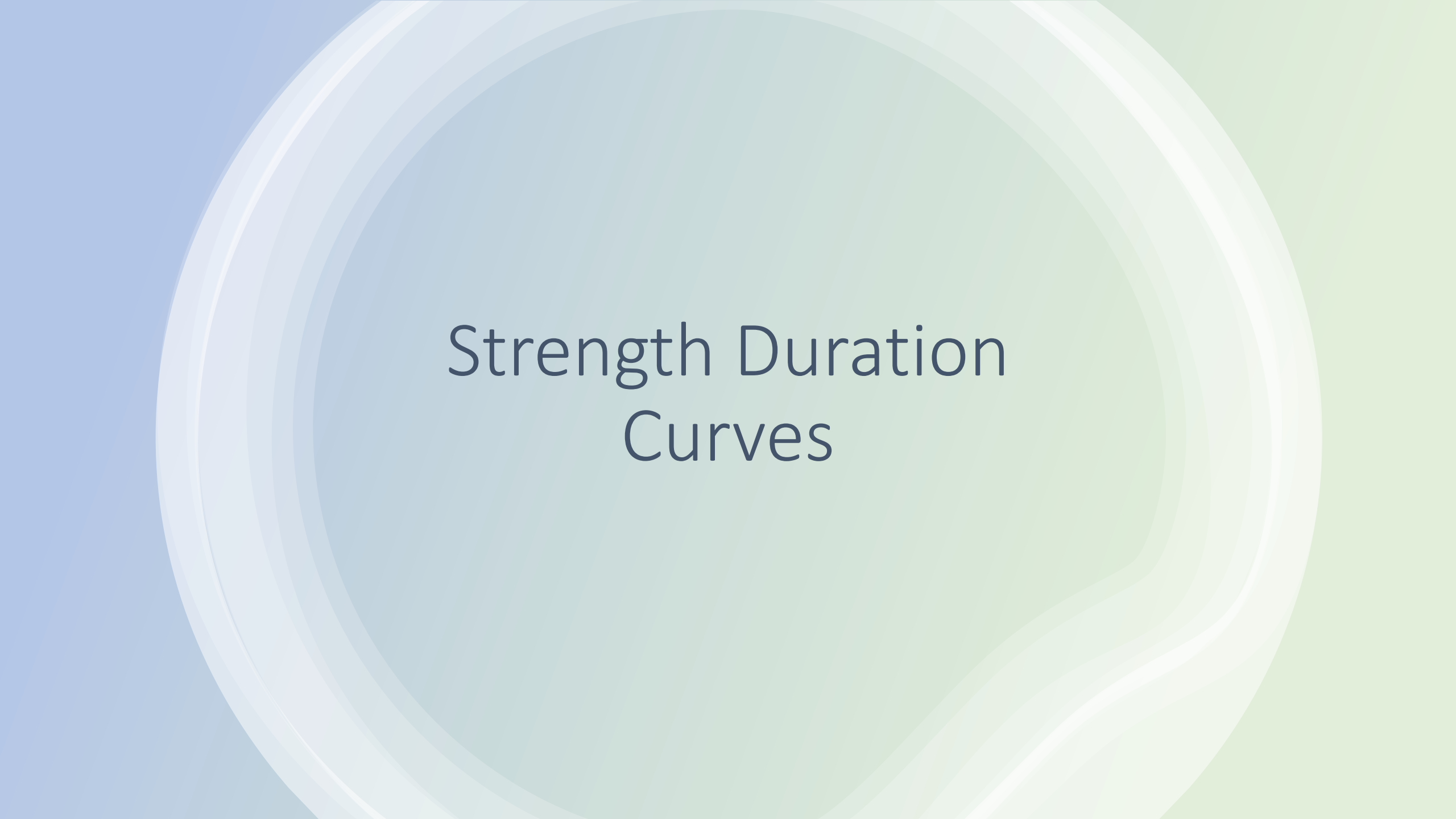


Therapeutic Ultrasound

Diptee Bhole



Generation



Strength Duration Curves

What is Denervation?

Injury to the nerve: Extent / Nature / Duration



Loss of voluntary
muscle contraction



Loss of sensations

INTERFERENTIAL THERAPY

Diptee Bhole

Introduction

- Hans Nemec 1950
- Concept of Wave interference to produce Interfered current
- Principle:

Two medium frequency currents, slightly out of phase, interfered to produce a low frequency effect.

Biomechanics of joints

Basic terminologies

- “Biomechanics” : coined from the Ancient Greek words *bios* "life" and "mechanics", to refer to the **study of the mechanical principles** of living organisms, particularly their movement and structure.

Muscle Biomechanics

Form follows function

- Function?
- Stability v/s mobility
- Assist allow v/s resist