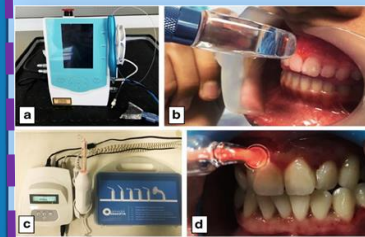


Presentation Code
PGE386

PHOTO-BIOMODULATION THERAPY (PBMT)

- ❑ A form of light therapy that utilizes nonionizing light sources, including lasers, LEDs, and broadband light in the visible and infrared spectrum.
- ❑ Discovered in 1967 by ENDRE MESTER at the Semmelweis Medical University in Hungary.
- ❑ Red light or near-infrared light (NIR) are the most commonly used wavelengths in PBM (600–1100 nm)

PBM IN CONSERVATIVE & ENDODONTICS



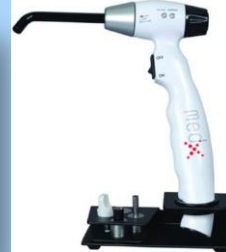
POSTOPERATIVE PAIN



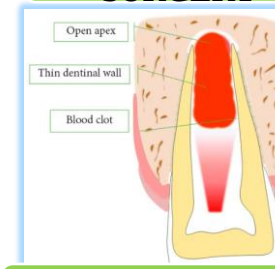
ENDODONTIC SURGERY



HYPERSENSITIVITY



TEETH BLEACHING



REGENERATIVE ENDODONTICS



DIRECT PULP CAPPING

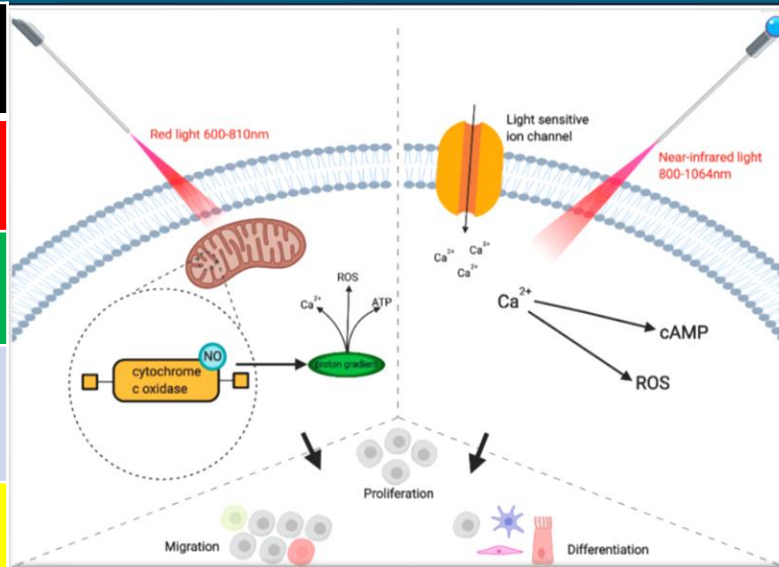
DISADVANTAGE

Need Of Specific Instruments

OTHER APPLICATIONS

- ❖ Aphous Stomatitis
- ❖ Inferior Alveolar N. Injury
- ❖ Peri-implant & Periodontal Inflammation Therapy
- ❖ Orthodontic Treatment

CELLULAR MECHANISM



Cellular energy production

Improved blood circulation

Inflammation

Tissue repair & regeneration

Neuroprotection & neuronodulation