



DIA

aparat za elektroterapiju dijadinamičkim strujama, galvanskom strujom, eksponencijalnim strujama i TENS terapiju

electro therapy device with diadynamic currents, galvanic current exponential currents and TENS therapy

DIJADINAMIČKE STRUJE

Dijadinamičke struje su jednosmerne niskofrekventne struje polusinusoidalnog oblika. Nazivaju se još i Bernarove struje po francuskom lekaru koji ih je uveo u primenu. Najvažniji terapijski efekti ovih struja su: snažno analgetsko dejstvo, stimulacija cirkulacije – širenje krvnih sudova, smanjenje otoka i hematoma, smanjenje spazma mišića i redukcija boli, stimulacija mišića normalno inervisanih nakon kraćeg ili dužeg inaktiviteta. Postoje sledeći oblici dijadinamičkih struja: MF, DF, CP, LP, CP+LP i RS.

PROXIMA DIA je digitalni mikroprocesorski uređaj koji podržava gore navedene oblike dijadinamičkih struja, ali pored ovoga pruža mogućnost terapije galvanskom strujom i elektrostimulacije muskulature eksponencijalnim i pravougaonim impulsima i TENS terapiju. Promena polariteta izlazne struje odvija se automatski, ali se može izvesti i ručno u svakom trenutku terapije. Često korišćena kombinacija CP+LP terapije se odvija automatski jednostavnim izborom odgovarajućeg programa. Elektrostimulacija eksponencijalnom strujom se može izvoditi putem E1, E2, ES(SP) idr. strujnih oblika.

SIGURNOST ZA PACIJENTA

Aparat **PROXIMA DIA** vrši konstantni monitoring izlazne struje i automatski prekida terapiju i alarmira zvučnim i svetlosnim signalom u slučaju prekida strujnog kola pacijenta. Pored ovoga svaka terapija se izvodi u režimu **soft start** i **soft stop**, tj. postepenim povećanjem i smanjenjem izlazne struje do zadate vrednosti, odnosno do nule, respektivno.

DIADYNAMIC CURRENTS

Diadynamic currents are direct low frequency currents with half sinusoidal signal shape. They are also known as Bernar's currents by french doctor who introduced them into the practice. The most important therapeutic effects of these currents are: powerful analgetic effect, circulation stimulation - blood vessels dilation, edema and hematoma reduction, pain and muscle spasm reduction, stimulation of normally innervated muscles after periods of inactivity. Following current forms are in use: MF, DF, CP, LP, CP+LP and RS.

PROXIMA DIA is a digital microprocessor controlled device which supports all of the above mentioned diadynamic current shapes. In addition galvanic current therapy and electrostimulation of healthy musculature by rectangularly shaped signals are also possible. Polarity change is automatically done, but manual polarity change is also possible in any moment of therapy time. Often used therapy protocol CP+LP is automatically done simply choosing the appropriate therapy program. Musculature stimulation could be done by exponential currents by current shapes E1, E2, ES(SP)...

PATIENT SAFETY

PROXIMA DIA constantly monitors output current and turns off the therapy and signals alarm in case of patient current circuit break. Additionally, each therapy is done in **soft start** and **soft stop** mode (slow increase and slow decrease of output current intensity) up to defined level or zero, respectively.

INDIKACIJE

- neuralgije, neuritis, radikulopatije, herpes zoster, migrena
- miofacijalni sindrom, periartritis ramena i kuka, epikondilitis
- cervikalni i lumbalni sindrom
- artroze i artritis u fazi jakih bolova
- distorzije, kontuzije, subluksacije, Sudekov sindrom, posttraumatske kontrakture
- Rejnoova bolest, obliterirajući artritis
- adneksitis i parametritis

- A - pacijent kabl
B - gumeno-grafitne elektrode
C - sunđeraste navlake za elektrode

- A - patient connection cable
B - silicone electrodes
C - sponge electrode holding bags

ŠIFRE ZA PORUČIVANJE

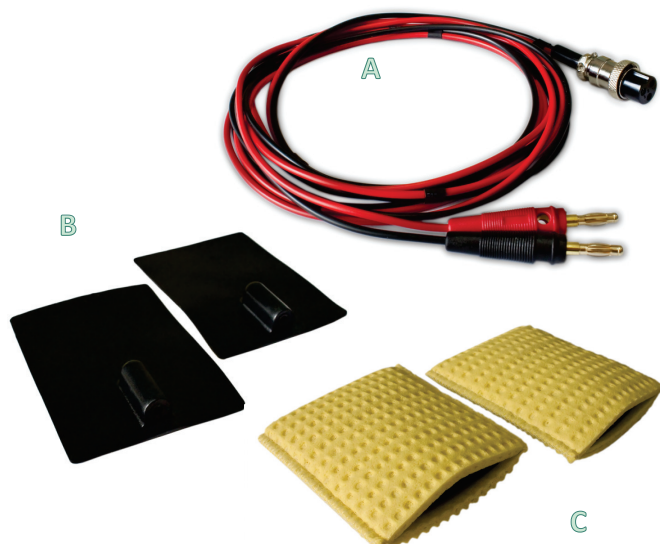
Aparat DIA	PX-AP-2005
Pacijent kabl	PX-AP-2005-01
Gumeno-grafitna elektroda 50x50mm	PX-PG970/4
Gumeno-grafitna elektroda 60x80mm	PX-PG980/4
Gumeno-grafitna elektroda 80x120mm	PX-PG912/4
Sunđerasta navlaka 50x50mm	PX-PG970S
Sunđerasta navlaka 60x80mm	PX-PG980S
Sunđerasta navlaka 80x120mm	PX-PG912S
Gumena poveska 32mm, dužina 0.5m	PX-PG910/55a
Gumena poveska 32mm, dužina 1m	PX-PG910/55
Plastično dugme za gumene poveske	PX-PG905/99
Elastična poveska sa čičak trakom 0.8m	PX-PG945/8
Elastična poveska sa čičak trakom 1.5m	PX-PG945/15
Samolepljiva gel elektroda 45x35mm	PX-PG470N
Samolepljiva gel elektroda 45x80mm	PX-PG473N
Klip adapter za gel elektrode, crni	PX-PG922/4TN
Klip adapter za gel elektrode, crveni	PX-PG922/4TR

ORDER CODES

Device DIA	PX-AP-2005
Patient connection cable	PX-AP-2005-01
Silicone electrode 50x50mm	PX-PG970/4
Silicone electrode 60x80mm	PX-PG980/4
Silicone electrode 80x120mm	PX-PG912/4
Sponge holding bag 50x50mm	PX-PG970S
Sponge holding bag 60x80mm	PX-PG980S
Sponge holding bag 80x120mm	PX-PG912S
Rubber belt 32mm, length 0.5m	PX-PG910/55a
Rubber belt 32mm, length 1m	PX-PG910/55
Plastic button for rubber belts	PX-PG905/99
Elastic velcro belt 0.8m	PX-PG945/8
Elastic velcro belt 1.5m	PX-PG945/15
Self-adhesive fully gelled electrode 45x35mm	PX-PG470N
Self-adhesive fully gelled electrode 45x80mm	PX-PG473N
Snap adapter for gel electrodes, black	PX-PG922/4TN
Snap adapter for gel electrodes, red	PX-PG922/4TR

INDICATIONS

- neuralgias, neuritis, radiculopathies, herpes zoster, migraine
- myofascial syndrome, shoulder and hip periarthritis, epicondylitis
- cervical and lumbar syndrome
- arthroses and arthritis in the strong pain phase
- distortions, contusions, subluxations, Sudeck's syndrome, posttraumatic contractures
- Raynauds disease, obliterating endarteritis
- adnexitis and parametritis



TEHNIČKE KARAKTERISTIKE

Napajanje	220V 50Hz
Dijadinamičke struje	MF, DF, CP, LP, CP+LP, RS
Intenzitet struje doze	od 0 do 80mA
Intenzitet struje baze	od 0 do 5mA
Strujni impulsi	E1, E2, ES(SP) TENS
Intenzitet galvanske struje	od 0 do 80mA
Vreme terapije	od 0 do 15min

TECHNICAL DATA

Power supply	220V 50Hz
Diadynamic current types	MF, DF, CP, LP, CP+LP, RS
Dosage current intensity	from 0 to 80mA
Base current intensity	from 0 to 5mA
Current impulses	E1, E2, ES(SP) TENS
Galvanic current intensity	from 0 to 80mA
Therapy timer	from 0 to 15min



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