

TERAPEUTISK LEVEL IV LASER



lightforce[®]
FX

LITECURE[®]
Lasers for Life *

SELECT AREA



Terapeutisk laserbehandling er klinisk dokumenteret og reducerer smerte og inflammation allerede efter de første behandlinger.



Terapeutisk high power laser

Det er klinisk veldokumenteret at high power laser resulterer i en hurtigere og mere effektiv behandling med kontinuerlig gode resultater. Patienter behandlet med high power laser har en dokumenteret hurtigere rekonvalescenstid.

Stop smerterne og start restitution hurtigere med LightForce FX fra LiteCure, den første laser udviklet specielt til muskuloskeletalbehandling - mere end 30 års erfaring samlet i ét let, effektivt og overskueligt apparat.



lightforce[®]
FX

Bell's Palsy

< Headache

Pinched Nerve

Sinus

Sprain/ Strain, Neck

TMJ

Forehead/Temple

Neck

Sinus

High Power Laser - LightForce FX

LightForce FX er den første high power laser udviklet specielt til muskuloskeletalbehandling, med mulighed for indstilling af patientspecifikke behandlingsprotokoller.

Via en intelligent behandlingsstyring og de patenterede applikationshoveder tager LightForce FX både højde for hudens pigmenteringsgrad, underhudsfedtlag og muskelmasse, når behandlingstyrken skal indstilles.

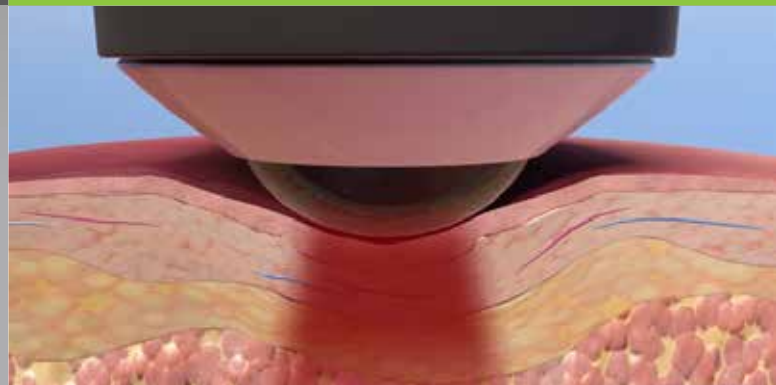
LightForce FX er et yderst behandlervenligt apparat med stor tydelig højtopløselig farve touch screen og en intuitiv brugerflade.

Med de mange indbyggede videoprotokoller og anatomiske animationer, guides behandleren hurtigt frem til den helt rigtige behandling.

Se et lille uddrag de publicerede kliniske studier på bagsiden af denne folder.

Terapeutisk high power laserbehandling genererer en reaktion i det skadede væv/område via en proces, der klinisk kaldes photobiomodulation.

Processen stimulerer vævets egen regenereringsproces på celleniveau.



Non-invasiv og smertefri behandling

Klinisk veldokumenteret

Hurtige og effektive resultater

... allerede efter få behandlinger



Det patenterede Massage Ball applikationshoved fås med LightForce FX i 2 størrelser.

Publicerede kliniske studier - uddrag

Tumilty S, Mani R, Baxter GD. Photobiomodulation and eccentric exercise for Achilles tendinopathy: a randomized controlled trial. *Lasers in Medical Science*. 2016; 31(1):127-135. doi: [10.1007/s10103-015-1840-4](https://doi.org/10.1007/s10103-015-1840-4) **(LiteCure laser used in study.)**

Anders JJ, Moges H, Wu X, Erbele ID, Alberico SL, Saidu EK, Smith JT, Pryor BA. In vitro and in vivo optimization of infrared laser treatment for injured peripheral nerves. *Lasers in Surgery and Medicine*. 2014; 46(1): 34-45. doi: [10.1002/lsm.22212](https://doi.org/10.1002/lsm.22212) **(LiteCure Research Collaboration.)**

Nguyen LM-D, Malamo AG, Larkin-Kaiser KA, Borsa PA, Adihetty PJ. Effect of near-infrared light exposure on mitochondrial signaling in C2C12 muscle cells. *Mitochondrion*. 2014; 14: 42-48. doi: [10.1016/j.mito.2013.11.001](https://doi.org/10.1016/j.mito.2013.11.001) **(LiteCure laser used in study.)**

Roberts DB, Kruse RJ, Stoll SF. The effectiveness of therapeutic class IV (10 W) laser treatment for epicondylitis. *Lasers in Surgery and Medicine*. 2013; 45(5): 311-317. doi: [10.1002/lsm.22140](https://doi.org/10.1002/lsm.22140) **(LiteCure laser used in study.)**

Panton L, Simonavice E, Williams K, Majock C, Kim J-S, Kingsley JD, McMillan V, Mathis R. Effects of class IV laser therapy on fibromyalgia impact and function in women with fibromyalgia. *The Journal of Alternative and Complementary Medicine*. 2013. 19(5): 445-452. doi: [10.1089/acm.2011.0398](https://doi.org/10.1089/acm.2011.0398) **(LiteCure laser used in study.)**

Knapp DJ. Posttherapeutic neuralgia: case study of class 4 laser therapy intervention. *The Clinical Journal of Pain*. 2013; 49(10): e6-e9. doi: [10.1097/AJP.0b013e31828b8ef8](https://doi.org/10.1097/AJP.0b013e31828b8ef8) **(LiteCure laser used in study.)**

Morries LD, Cassano P, Henderson TA. Treatments for traumatic brain injury with emphasis on transcranial near-infrared laser phototherapy. *Neuropsychiatric Disease and Treatment*. 2015: 2159-2175. doi: [10.2147/NDT.S65809](https://doi.org/10.2147/NDT.S65809) **(LiteCure laser used in study.)**

Henderson TA, Morries LD. Near-infrared photonic energy penetration: can infrared phototherapy effectively reach the human brain. *Neuropsychiatric Disease and Treatment*. 2015; 11: 2191-2208. doi: [10.2147/NDT.S78182](https://doi.org/10.2147/NDT.S78182) **(LiteCure laser used in study.)**

McCain KJ, Farrar M, Smith PS. Gait recovery in a girl with ischemic spinal cord stroke. *Pediatric Physical Therapy*. 2015; 27(2): 190-199. doi: [10.1097/PEP.0000000000000135](https://doi.org/10.1097/PEP.0000000000000135) **(LiteCure laser used in study.)**

Karlekar A, Bharati S, Saxena R, Mehta K. Assessment of feasibility and efficacy of class IV laser therapy for postoperative pain relief in off-pump coronary artery bypass surgery patients: A pilot study. *Annals of Cardiac Anaesthesia*. 2015; 18(3): 317-322. doi: [10.4103/0971-9784.159800](https://doi.org/10.4103/0971-9784.159800) **(LiteCure laser used in study.)**

Levine D, De Taboada L, Frydrych W, Dale RB. Effects of laser on endurance of the rotator cuff muscles. *Lasers in Surgery and Medicine*. 2015; 47(S26): 44-45. Presented at ASLMS 2015 Annual Meeting. doi: [10.1002/lsm.22351](https://doi.org/10.1002/lsm.22351) **(LiteCure laser used in study.)**

Ketz A, Wu X, Pryor B, Anders A. Characterization and modulation of macrophage/microglial activation in an animal model of neuropathic pain. *Lasers in Surgery and Medicine*. 2015; 47(S26): 42-43. Presented at ASLMS 2015 Annual Meeting. doi: [10.1002/lsm.22351](https://doi.org/10.1002/lsm.22351) **(LiteCure laser used in study.)**

Bradley P, Speilholtz N. A comparison of the immediate pain reduction after class 4 laser in a neuropathic pain group versus a myogenous pain group in a head and neck pain clinic. Late breaking abstract presented at ASLMS 2015 Annual Meeting. **(LiteCure laser used in study.)**

Lee E, Dubois M, Calvino S, Malayil R, Kim E, Shrikhande AA. A pilot study to determine the efficacy of therapeutic class IV laser treatment on local muscle spasm associated with myofascial pain syndrome in patients with neck pain. AAPM 2013 annual meeting. [Poster abstract](#). **(LiteCure laser used in study.)**

Kostek MC, Diaz DCD, Gordon B. High powered laser therapy enhances muscle healing. Poster presented at ACSM Annual Meeting, June 2013. **(LiteCure laser used in study.)**

Larkin KA, Christou EA, Baweja HS, Moore MA, Tillman MD, Geroge SZ, Borsa PA. Phototherapy prolongs time to task failure in older adults. *Neuroscience* 2012. New Orleans, LA. October 2012. Presentation abstract. **(LiteCure Research Collaboration)**

Morries LD. Class IV laser therapy; Effective for back and neck/shoulder pain. University of Colorado Denver. 2010 ACBSP Annual Conference, Los Angeles. Poster Presentation. **(LiteCure laser used in study.)**