

# LASER Pain Relief & Healing *with No Side Effects*



Low Level Laser Therapy / LLLT  
Photobiomodulation



# THOR Low Level Laser Therapy system

## CLINICAL APPLICATIONS:

- Acute or chronic tendinopathies
- Sprains and strains
- Neck and back pain
- Osteoarthritis
- Post-operative pain
- Tissue healing

## TREATMENT

Low Level Laser Therapy (LLLT) improves tissue repair, reduces pain and inflammation wherever the beam is applied. Treatments take only a few minutes and can be applied two or more times a week.

## RESULTS

Significant reduction of inflammation equal to or better than NSAIDs within 2 hours, analgesic effects that last for 48 hours, healing time of chronic tendinopathies reduced by 70%. Read our blog for the most up-to-date news [blog.thorlaser.com](http://blog.thorlaser.com)

## HOW IT WORKS

When cells are stressed, nitric oxide (NO) inhibits oxygen consumption by mitochondrial cytochrome c oxidase. This reduces production of ATP and causes oxidative stress leading to increased inflammation and reduced production of ATP.

LLLT displaces NO from cytochrome c oxidase thereby reducing inflammation and restoring ATP production, helping tissues heal more quickly.

## THOR

With over 3,000 customers using THOR lasers in 70 countries including Harvard Medical School, NASA researchers, US Navy, RAF, British Army, Royal Navy, NHS, BUPA, premier division football teams, British Lions Rugby, THOR can rightly claim to be the number one supplier in the world of LLLT technology and training.

*An excellent alternative to NSAIDs*



## LOW LEVEL LASER THERAPY (LLLT) OR NSAIDS

NSAIDs slow healing and often have side effects whereas LLLT actually improves healing, as well as reducing inflammation and pain.

## LLLT IS SAFER AND MORE EFFECTIVE

Over 400 LLLT clinical trials (RCTs) and over 4,000 laboratory studies have been published. It has proven more effective and safer than pharmaceutical anti-inflammatories across a range of musculoskeletal conditions. LLLT also improves healing and reduces muscle fatigue, muscle damage and DOMS. Read our blog for the latest news [blog.thorlaser.com](http://blog.thorlaser.com)

*"The use of low levels of visible or near infrared light for reducing pain, inflammation and edema, promoting healing of wounds, deeper tissues and nerves, and preventing cell death and tissue damage has been known for over forty years"*

Prof. Michael Hamblin, Harvard-MIT Division of Health Sciences and Technology

*"I use laser immediately on acute injuries, it is a very useful adjunct to have at major sporting games, treating acute and chronic injuries alongside manual therapy for pain relief and reduction of inflammation."*

Sarah Cooper BSc (Hons), physiotherapist to the British Olympic Athletic Team.

*"I use laser where manipulation is contraindicated and where pain relief is required."*

Julian M. Winer Bsc(Ost) DO

*THOR laser drug free pain relief and healing*