

# Therapeutic Ultrasound and Electrical Stimulation



Depending on the condition of your pet, your rehabilitation practitioner may recommend either therapeutic ultrasound or electrical stimulation to help ease muscular tension and relieve pain.

## **Therapeutic Ultrasound**

Therapeutic ultrasound harnesses ultrasonic waves, which, at varying frequencies, penetrate into affected muscles, tendons, ligaments, and joints to increase blood circulation and promote healing. Common conditions for therapeutic ultrasound include biceps tenosynovitis, iliopsoas strains, and ligament injuries.

## **Electrical Stimulation**

Electrical stimulation provides comfort by blocking pain pathways, soothing aching joints, and relaxing muscles. In some cases, it may be used to stimulate muscular contractions for neuromuscular re-education and improving strength. A small electrical current runs between two to four gel pads placed in the areas needed for treatment, and often a warm heating pack will be placed over the pads to provide additional comfort during therapy.