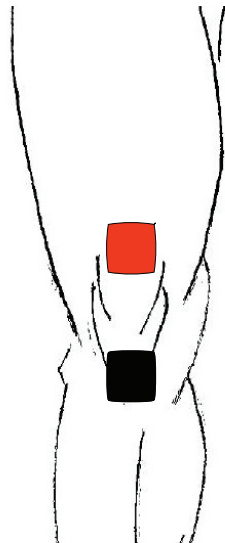




### Osgood-Schlatter Disease

Osgood-Schlatter Disease is created by a partial separation (avulsion) of the tibial tuberosity from the tibial shaft resulting in inflammation of the bone and connective tissue of the anterior knee. This condition is most often seen in male children 10 to 16 years of age (i.e., during puberty) and resolves by 18 years of age. TENS can be used to decrease pain and increase functional mobility for patients with this condition.

#### Suggested Electrode Placements

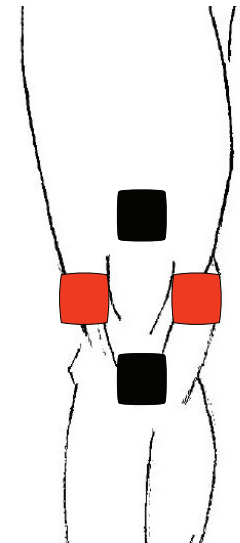


##### 2-pad placement

Place electrode pads over anterior knee joint, superior and inferior to patellar tendon

##### 4-pad criss-cross pattern placement

Place electrodes around knee joint with 2 pads superior and inferior to the joint and 2 pads medial and lateral to the joint



#### Suggested Treatment Parameters

**Mode: Modulated**

**Pulse rate: 100-120 Hz**

**Pulse width/duration: 50-150  $\mu$ s**

**Amplitude: Low to moderate level stimulation**

**Treatment Time: Throughout the day as needed**

**Mode: Burst**

**Pulse rate: 2 Bursts/sec**

**Pulse width/duration: 180-200  $\mu$ s**

**Amplitude: Moderate level stimulation**

**Treatment Time: Throughout the day as needed**

