

Bone Plates

Introduction:

When a bone is broken it is called a fracture. There are several kinds of fractures. Some are more serious than others and require surgery to heal them.



Surgery for a Broken Bone:

Surgery and a bone plate are needed when large bones break, when the bones need to be aligned, when a bone has broken into multiple pieces, or when the bones are not healing properly.



<http://www.merete-medical.com/merete-products.php?p=9>



http://liftkitking.com/march_19,_2008.htm



<http://www.zimmerpine.eu/z/ctl/op/global/action/1/id/9692/template/MP/navid/7436>



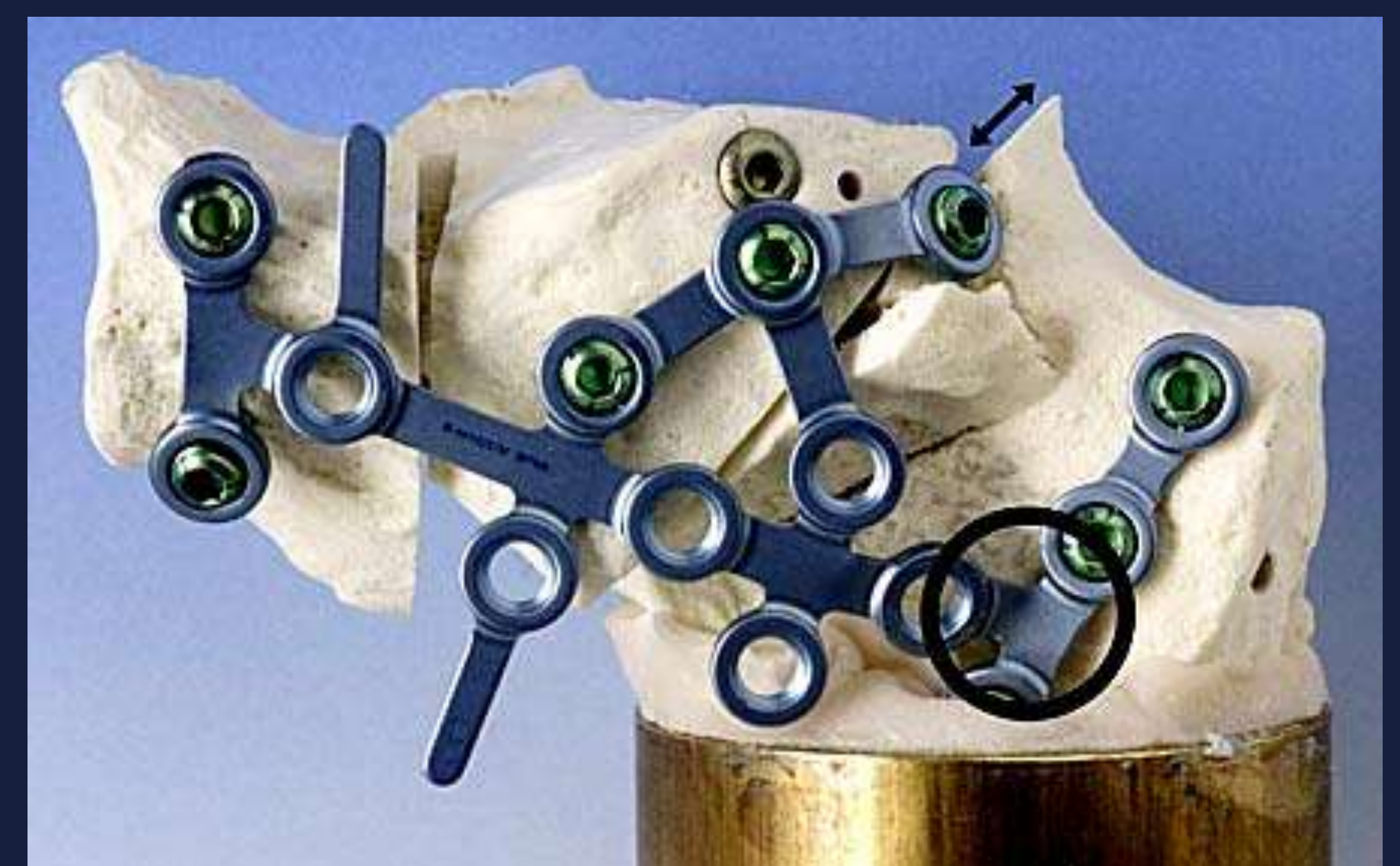
<http://www.zimmerpine.eu/z/ctl/op/global/action/1/id/9692/template/MP/navid/7436>

Bone Plates:

Bone plates hold the bones in place as the bone heals so it will heal properly. Bone plates are made of high strength materials such as Titanium. They need to be strong so they can hold the weight that the bone usually holds while it is healing. Often they are brightly colored so they can be seen easily during surgery and inside the body.



<http://www.swemac.com/>



http://www.rimbus.de/uk/testergebnisse_iframe.htm

Wolff's Law:

Bones react to forces by building more bone in areas where there are high stresses. Light force once the bones begin to heal helps stimulate bone growth. Bone plates help healing by holding the bone in place and helping it hold more force.



Picture Courtesy of Marina Samuels

