

1. Case History/ overview;

Bob, late 50s, presents with acute low back pain that's occurred since young adulthood

- has used chiropractic care to help move qi energy and blood circulation
- has also used Tylenol to reduce pain and relax muscles
- current episode coincides with overtraining in martial arts
- also squatting with weight on his shoulders
- immobilized after fitness/exercise (irratic) no pattern association
- x-rays revealed no need for surgical intervention

2. Established View

Bob Flaws quote; "The penetrating vessel homes to the liver and kidney."

Leads to acute and chronic liver and kidney yin deficiency.

2. Directly related to Jing Mai constriction.

a. The jing mai channel system connects internal Zang/Fu and external wei qi.

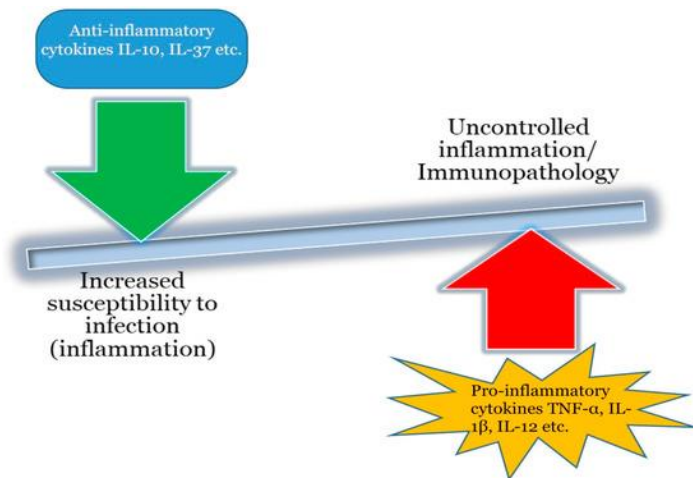
b. The governing (Du mai) effects the back muscles.

3. The penetrating vessel is the sea of the twelve channels.

4. Acupuncture intervention breaks the stagnation and improves blood flow circulation by invigorating qi

3. Plain Talk Practice view of LBP.

Acupuncture intervention rebalances pro and anti-inflammatory signals You can use micro-current as a analogy to connect western words and eastern concepts.



See; Bello, R.O.; Chin, V.K.; Abd Rachman Isnadi, M.F.; Abd Majid, R.; Atmadini Abdullah, M.; Lee, T.Y.; Amiruddin Zakaria, Z.; Hussain, M.K.; Basir, R. The Role, Involvement and Function(s) of Interleukin-35 and Interleukin-37 in Disease Pathogenesis. *Int. J. Mol. Sci.* **2018**, *19*, 1149.

Use these TALKING Points

- inflammation in lower back muscles
- two forces, pro and anti
- pro kicks out dead cells, etc
- anti regenerates tissue
- there is a **signaling system** that modulates the two
- problem when the signaling system indicates too much pro and not enough anti
- solution is to **re-balance** by reducing the pro and increasing the anti.

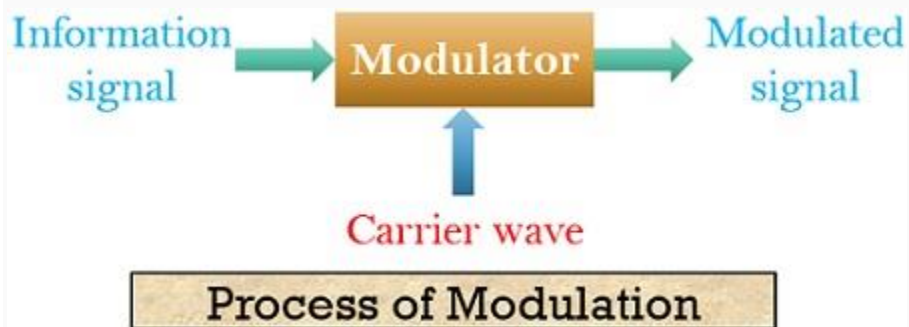
Further Support for the concept of modulation of micro-current and see how it can relate to yin yang, qi and blood activity.

In [electronics](#) and [telecommunications](#), **modulation** is the process of varying one or more properties.

Most radio systems in the 20th century used [frequency modulation](#) (FM) or [amplitude modulation](#) (AM) for [radio broadcast](#). A **modulator** is a device that performs modulation. In contrast; a **demodulator** is a device that performs [demodulation](#), the inverse of modulation.

Finally a [modem](#) (from **modulator**–**demodulator**) can perform both operations.

<https://en.wikipedia.org/wiki/Modulation>



Electronics Coach

See; <https://electronicscoach.com/difference-between-modulation-and-demodulation.html>

- In this case acupuncture intervention modulates (re-balances) the amount of signal transmission needed.

Talking/connecting;

- In this case you may talk to Bob about how the pro-inflammation signal is stagnant and unable to disperse.
- The acupuncture intervention reduces inflammation and modulates pro and anti-inflammation signals.
- Acupuncture rebalances pro and anti-inflammatory signaling and resolves pain.
- Signals are getting hung up at a junction point in your spinal column and the low back.
- The pain is a signaling and modulation problem.