

Neuropathy Facts from Parker College of Chiropractic National Neuropathy Certification of 2019

Estimated that over 23% of people over 65 years old will have neuropathy.

30-40% of all Americans have a neuropathy.

Neuropathy comes from cyto-pathology:

Cells are toxic

Or

Cells are healthy.

Only 3 countries in ALL the world are able to market drugs/meds on television/Ads:

1. US
2. New Zealand
3. (one other country in the world)

US comprises 5% of world's population.

US consumes 75% of the world's medication/drugs.

-National Institute of Health 2014

Peripheral Neuropathy can be caused by both or either a DISEASE of the Nerve or can develop as a side effect of systemic illness or medication.

It is estimated that 70% of all chemotherapy patients end up with neuropathy.

Gut problems cause malabsorption.

Malabsorption causes malnutrition that causes neuropathies (Think Gastric Bypass)

- Chrons
- Auto-Immune diseases
- Statins
- Blood pressure problems/meds
- Antibiotics
- Anti-depressants
- Anti-convulsants
- Anti-anxiety

“What medications are you taking Mr. Jones?”

Meds known to cause Neuropathy:

- Cymbalta
- Neurotin
- Tramadol
- Zanax
- Clonipen
- Cholesterol drugs/Statins

***"Remember patient, never stop taking medications without medical supervision. Talk to your medical doctor about it."

Meds used for Neuropathy:

- Lyrica- Has a maximum success rate of 50% reduction in pain, costs around \$400 a month. Can cause ulcers, cellulitis, osteomyelitis.
- Cymbalta- FDA approved for depression. NOT NEUROPATHY can cause neuropathy
- Neurotin- FDA approved for seizure NOT neuropathy. #1 side effect is suicide
- GabaPentin- side effect include fluctuations in blood sugar, dizziness, fatigue, and unsteady gait.

According to the British Medical Journal patients with mild neuropathy who do nothing will get worse within 1 year.

Angio-genesis is the physiological process by which new blood vessels form from pre-existing vessels.

Peripheral nerves and the Peripheral nervous system is composed of 3 main types of nerves:

- Sensory
- Motor
- Autonomic

The best tests to confirm neuropathy are:

- Nerve Conduction Velocity
- EMG
- Nerve Biopsy

Amputations cost on average in US

Toe \$22,000

Foot \$42,000

Leg amputation \$56,000

"Too much money Mrs. Jones, not when your body is at risk."

They do not like the word “Neuropathy”, use Neuralgia or Neuro-pathology.

How did these things happen- Neuropathy?

Peripheral Neuropathy can be caused by either both a disease of the nerve or can develop as a side effect of systemic illness.

Balance Plate Testing

- Registers how many centimeters a patient moves when not trying to move because of the vestibular and vision component (head) and proprioception (legs to brain).
- 87% of all fractures are due to falls.
- 1/5 who have a fall and fracture will die within the next 5 years.
- Loss of balance leading to falls is a major risk factor in neuropathy sufferers.
- Famous people with neuropathy:
 - Andy Griffith
 - Johnny Cash
 - Mary Tyler Moore
 - Eric Chaptain

Only 15 of 22 million who suffers with neuropathy have diabetes.

Neuropathy problem: PROGRESSIVE AND DEGENERATIVE

Balance plates:

Yellow is medium risk of the fall

Red is high risk of a fall

EA- “Analgesia that is induced by the passage of an electrical current”
we know the human body is electro-chemical in nature

There is no cure for neuropathy, it can only be controlled and contained.

“Nerve block”-

- Depolarizes the nerve responsible for carrying the pain signals during the 20-30 minute treatment.
- The nerve firing completely stops
- The result- is a significant reduction of the patients pain.

Pain relief can be 2-4 hours (1 treatment only) and it has a CUMULATIVE effect after each treatment.