NEUROLOGICAL BENEFITS OF EXERCISE

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Introduction

- Industrialization brought revolutionary technological innovations like trains, cars, and airplanes, which made our lives easier.
- This ingrained mindset traces back to Western traditions of athleticism.
- Ancient Greece glorified the body with sporting rituals and competition, so much so that the Olympic Games, held in honor of Zeus, could take place.

 Before then, there was no such thing as marathons or sportoriented societies. The "survival of the fittest" prevailed as a foundation of human evolution

• In other words, you were either fit or, you died. Western cultures have vacillated between extremes, to have shifted from "fitness-for-survival," to "fitness-for-entertainment" to "fitness as a privilege."

How Does Exercise Affect the Brain?



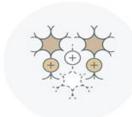
- People exercise for different reasons, but many people stay fit to prevent serious health conditions. These conditions include heart disease, obesity, diabetes, and stroke.
- Other people work out primarily to lose weight. Only a few people exercise with the intent to improve their brain functioning.
- Exercise improves cognitive functioning, mental health, and memory; it also hinders the development of certain neurological conditions.
- While exercising, oxygen saturation and angiogenesis (blood vessel growth)
 occur in areas of the brain associated with rational thinking and as well as
 social, physical and intellectual performance
- Exercise drops stress hormones and increases the number of neurotransmitters like serotonin and norepinephrine, which are known to accelerate information processing

Neurological Benefits of Exercise

Why Exercise Is Good For Your Brain

Moving your body can have a powerful effect on your mind.

Exercise positively influences your brain's:



NEUROGENESIS

neurons



NEUROPLASTICITY

improves how existing neurons work



NEUROCHEMISTRY

releases neurotransmitters that improve brain function

Neurological benefits that come from physical activity

These are:

- Decreased stress
- Decreased social anxiety
- Improved processing of emotions
- Prevention of neurological conditions
- Euphoria (short-term)
- Increased energy, focus and attention
- Hinderance to the aging process
- Improved memory
- Improved blood circulation
- Decreased 'brain fog'
- Increases the size of your brain



The Best Exercises to Build Brain Health?

Which Exercise Is Best?

"Not all exercises are created equal" (Gadd, 2018)

To positively impact:



- For brain fog and concentration: Yoga and aerobic classes
- For memory: aerobics, walking, and cycling
- To improve blood circulation: cardio activities (walking, riding a bicycle, running, swimming, kickboxing, skipping rope and skiing)
- For stress and anxiety: yoga
- And for depression: aerobic and resistance training

THANKYOU