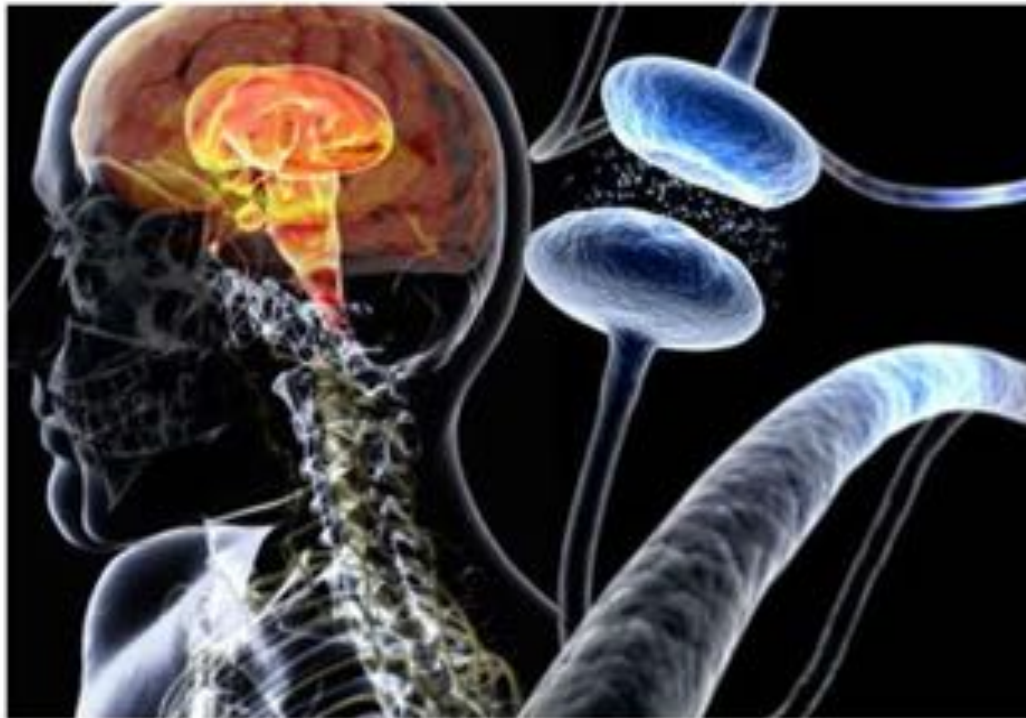




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Disease Reversal and Regeneration Through Angiogenesis



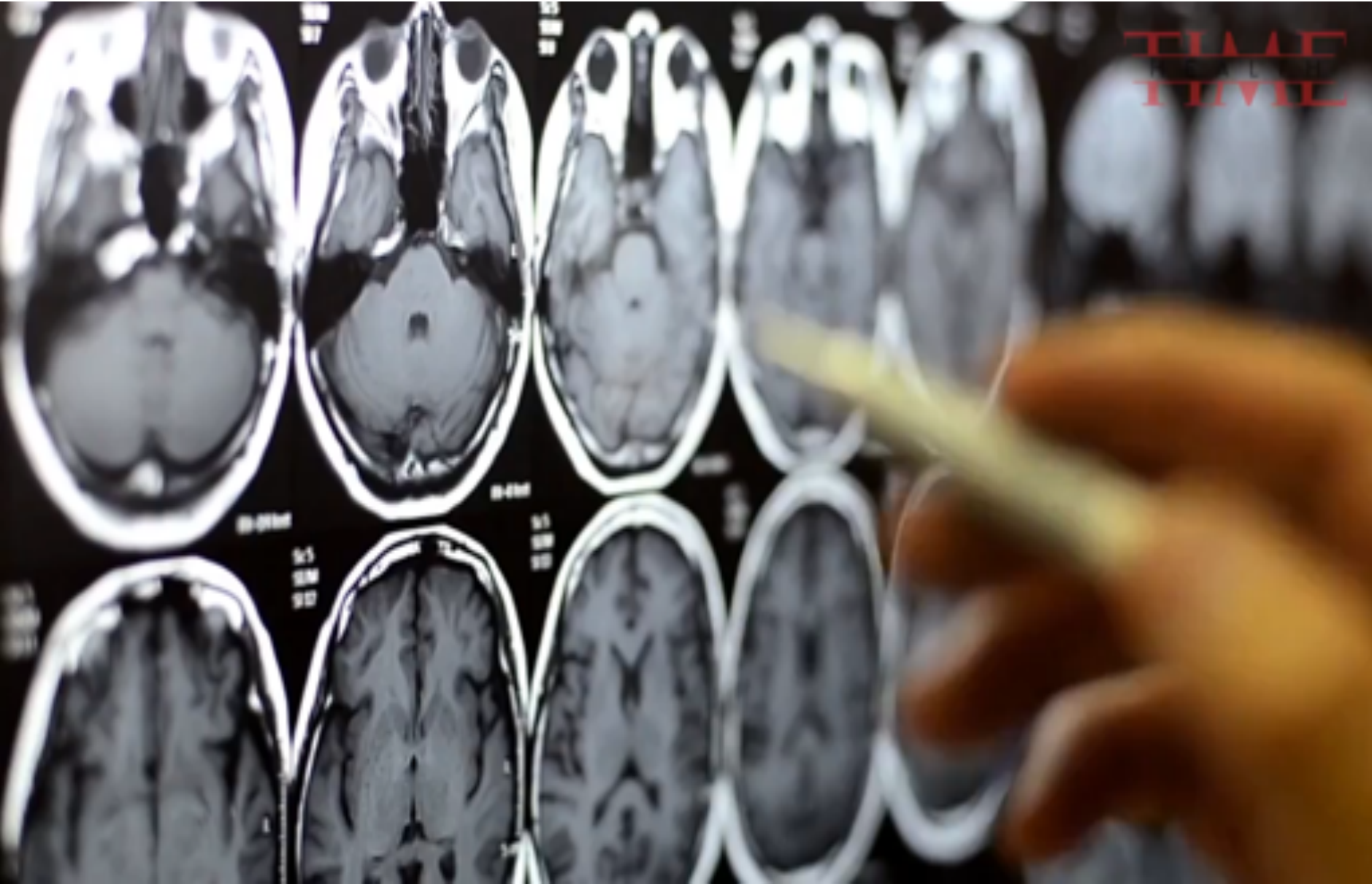


Aging and Cognitive Decline

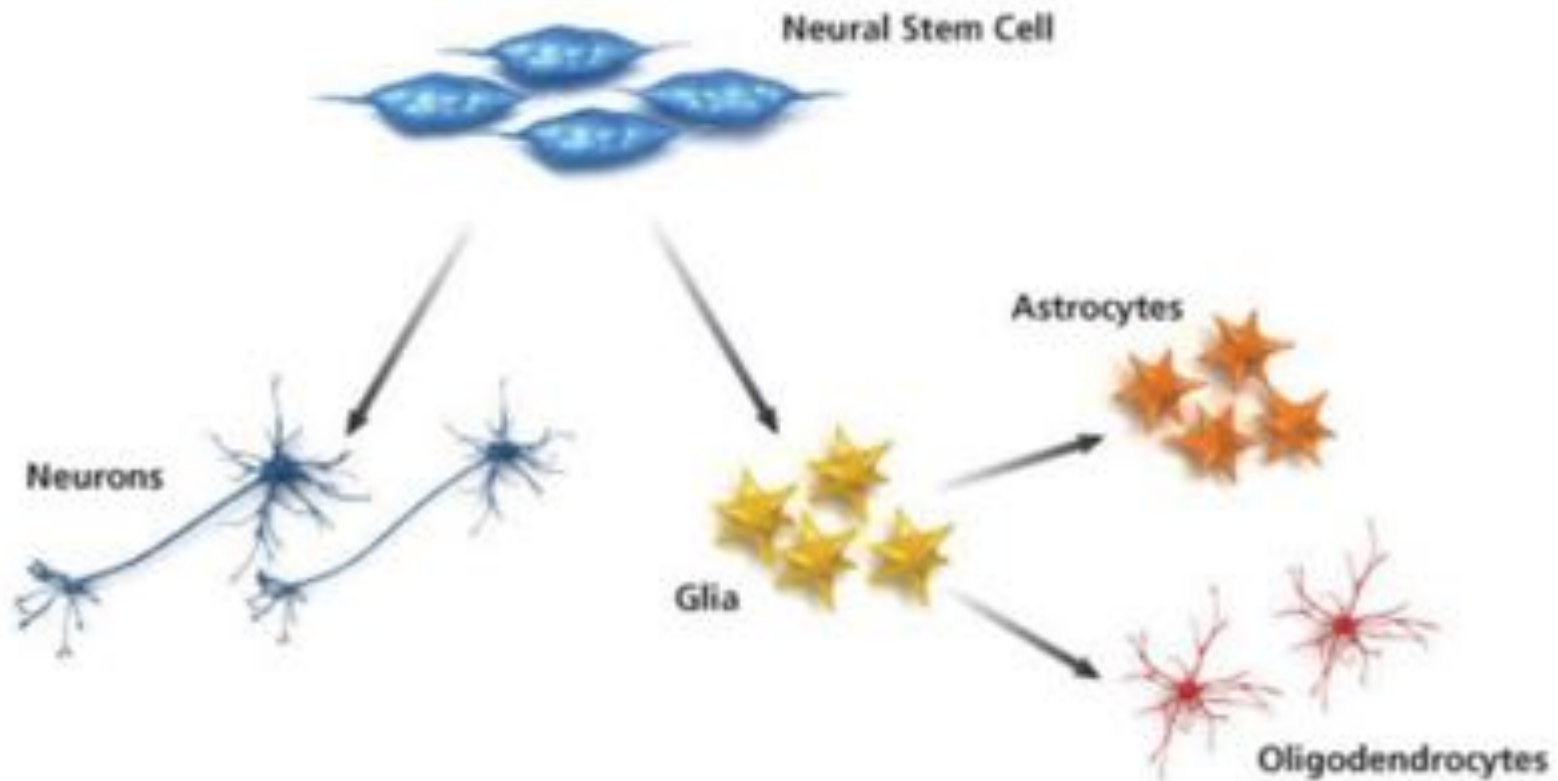


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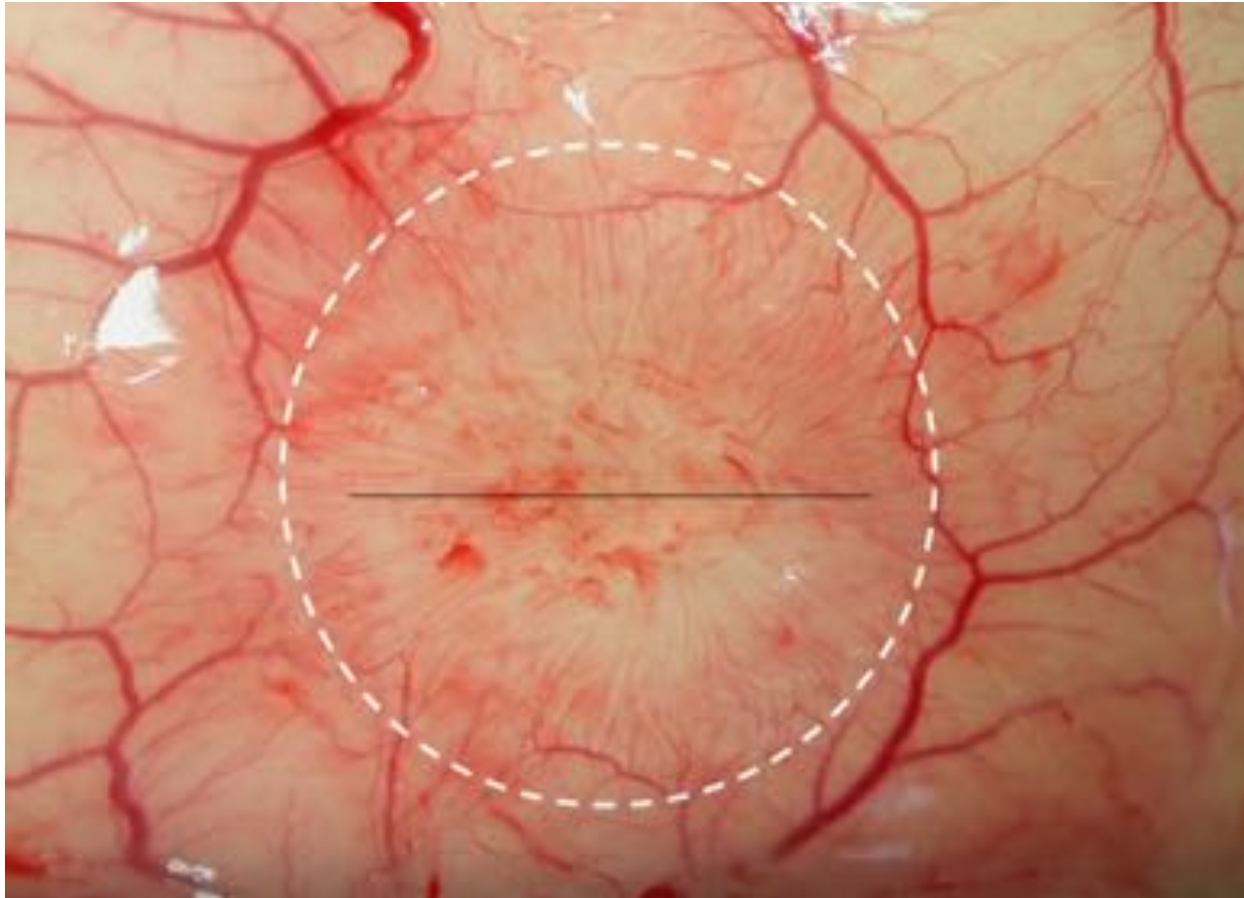
TIME
TIME



Your Stem Cells Need Adequate Blood Perfusion to Divide and Mature



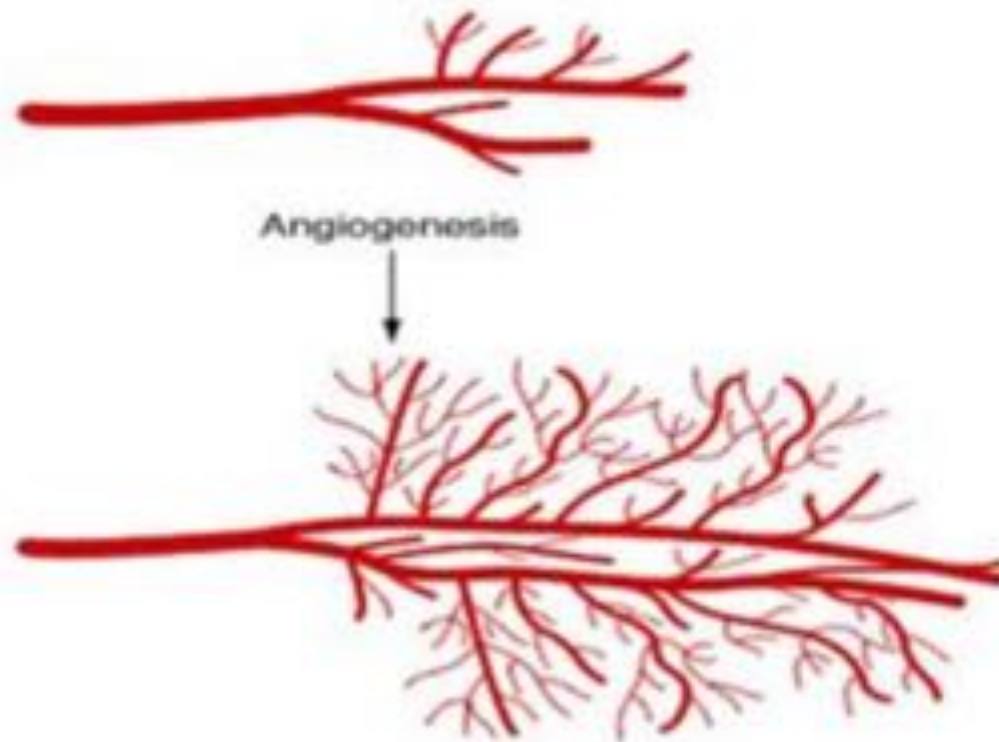
Angiogenesis is Natural Process



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Therapeutic Angiogenesis as a New Treatment for Perfusion-Related Diseases

Angiogenesis: The Growth of New Blood Vessels From Preexisting Vessels



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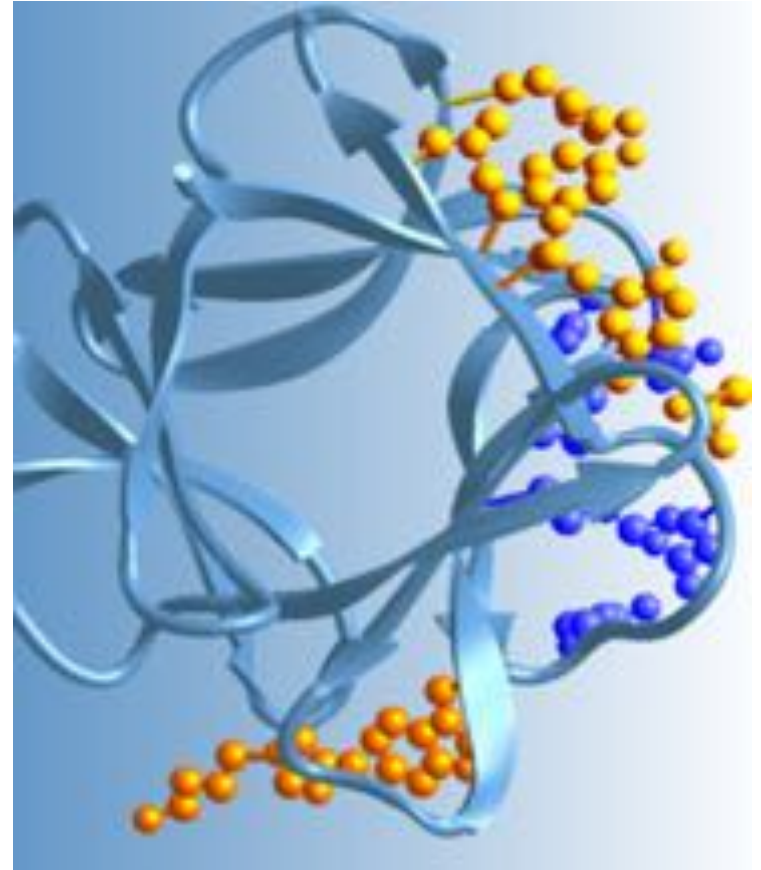


“Blood perfusion is all that matters“

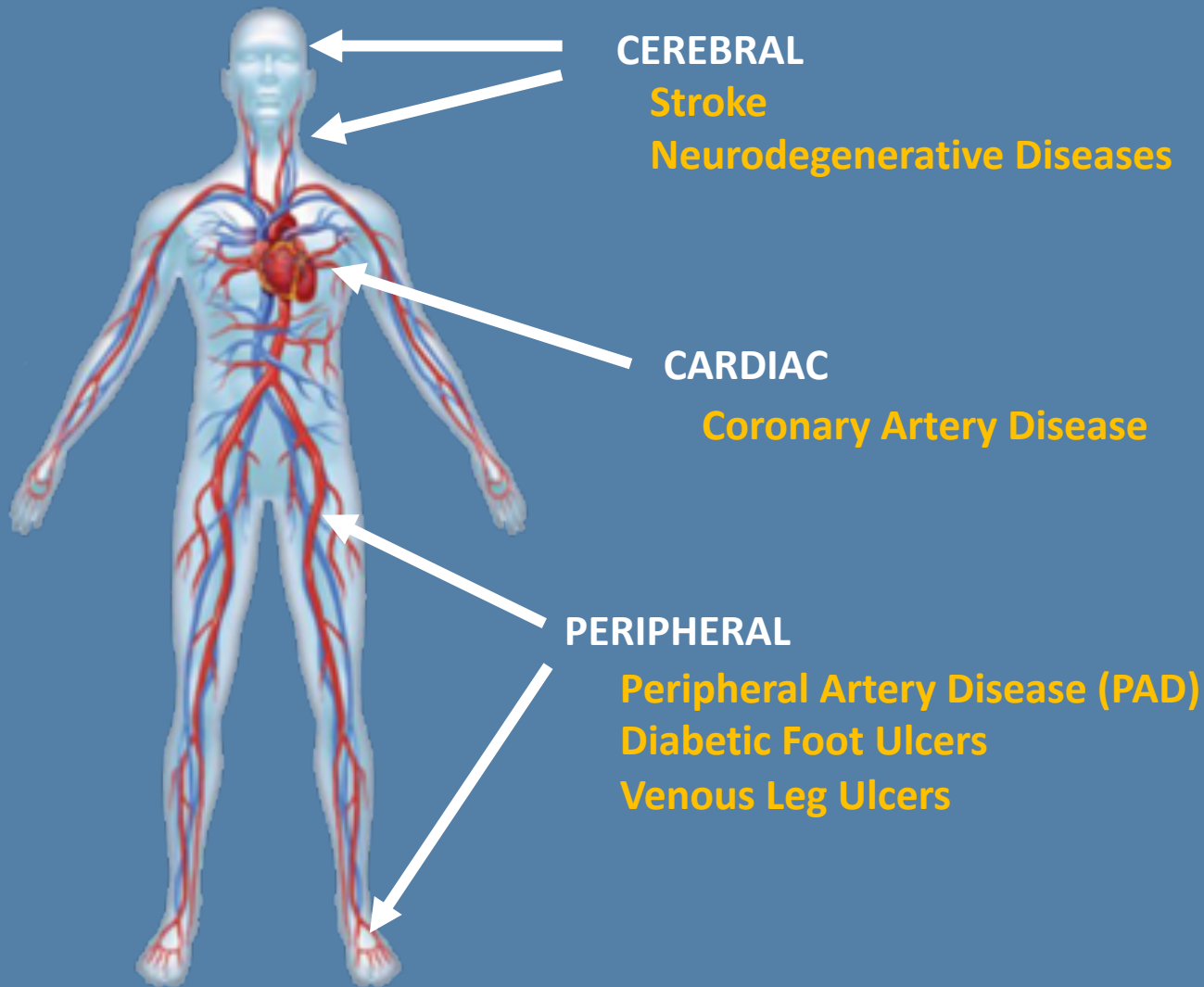
Over 75 human diseases are a result of impaired perfusion

What is FGF-1?

FGF-1 is a Natural Growth Factor In Your Body that is a Potent Stimulator of New Blood Vessel Growth (Angiogenesis)

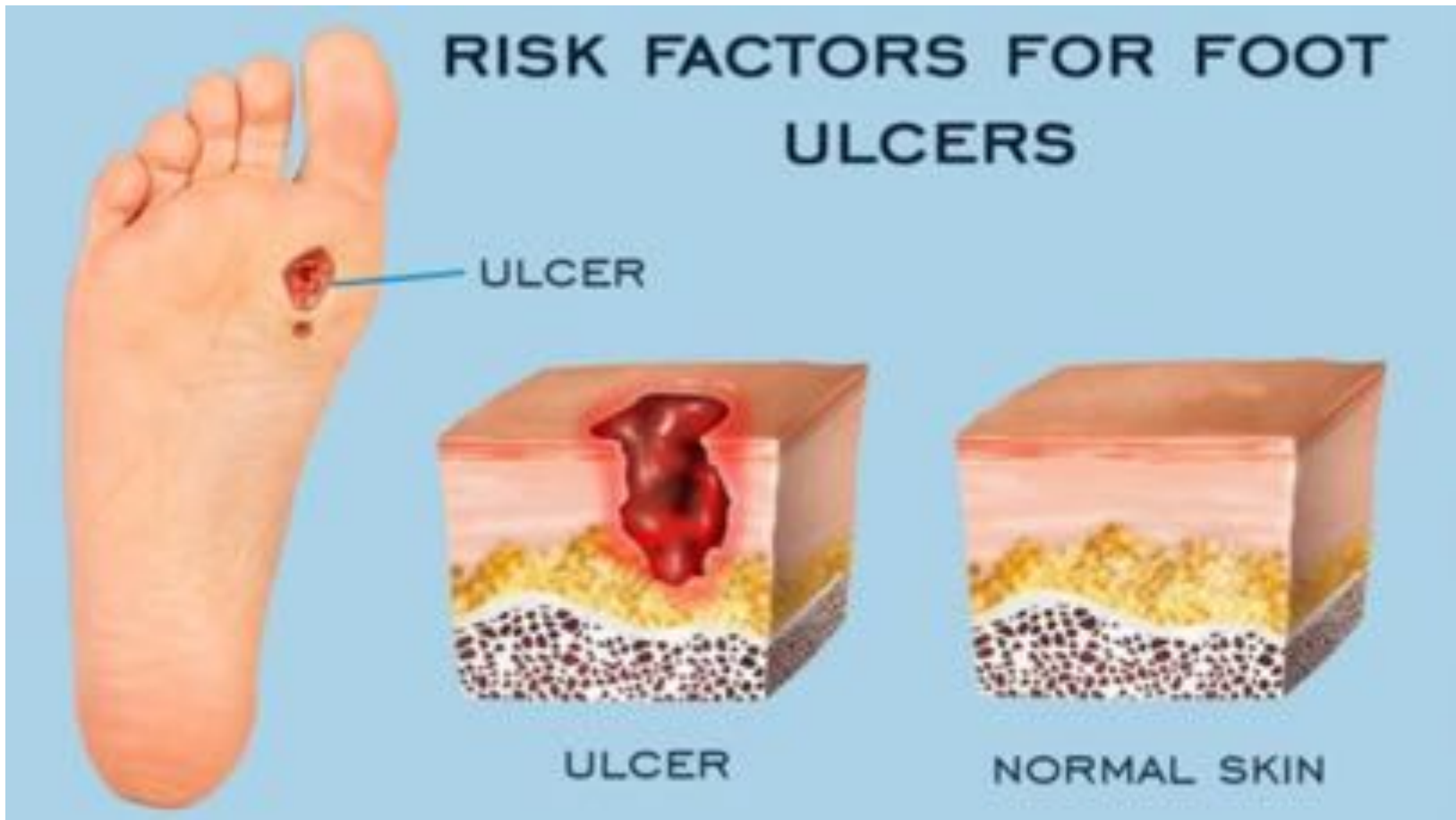


The FGF-1 Protein



Major Manifestations of Vascular Disease

A Frequent Complication of Diabetes: The Diabetic Foot Ulcer

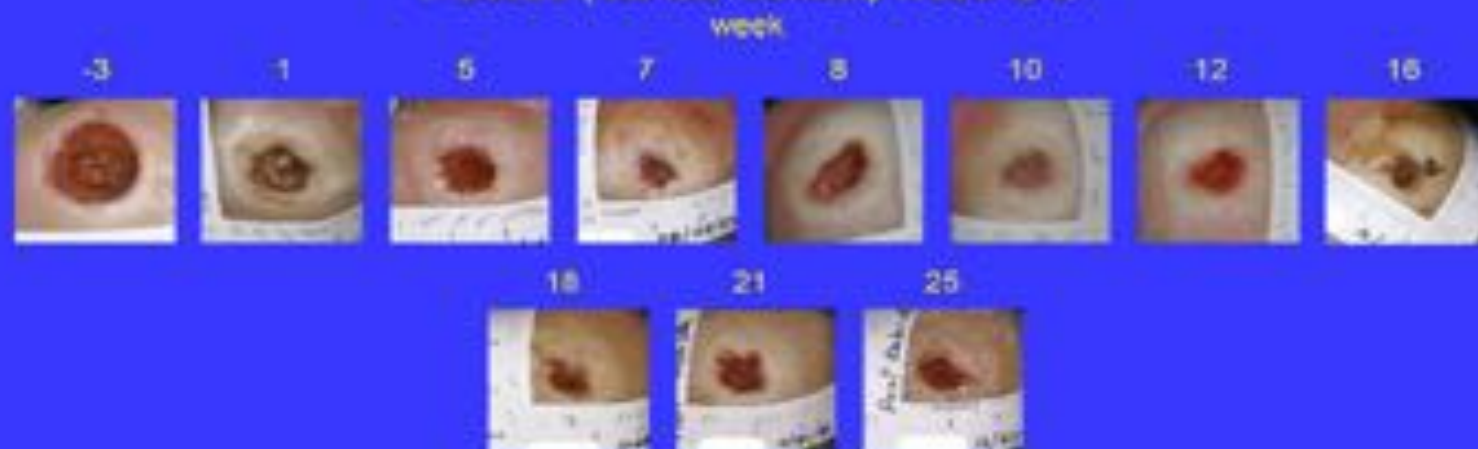


Phase IIb Healing Examples

FGF-1 Treatment

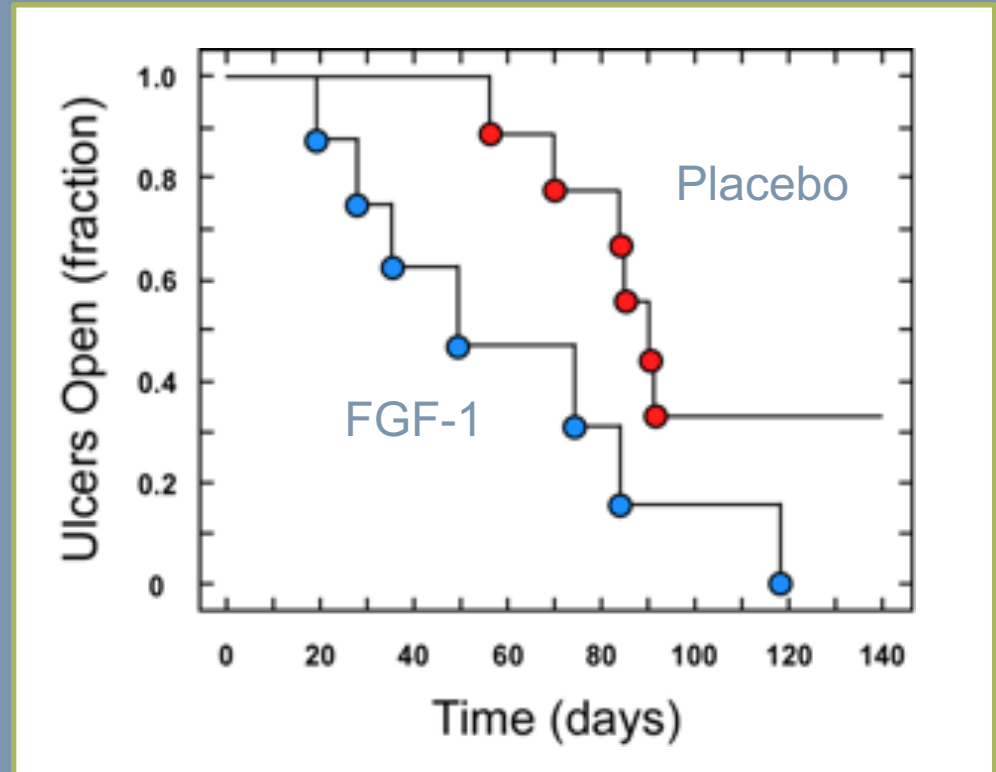


Placebo (Vehicle Control) Treatment



Results of Phase IIb Trial in Diabetic Ulcers

- **100% closure of wounds within 5 months or less**
- **57% complete closure at 8 weeks, versus 0% for the placebo group**





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Coronary Artery Disease



Recognition of FGF-1's Clinical Success

**ABC News Clip Reports a Breakthrough
Therapy for Severe Heart Disease**



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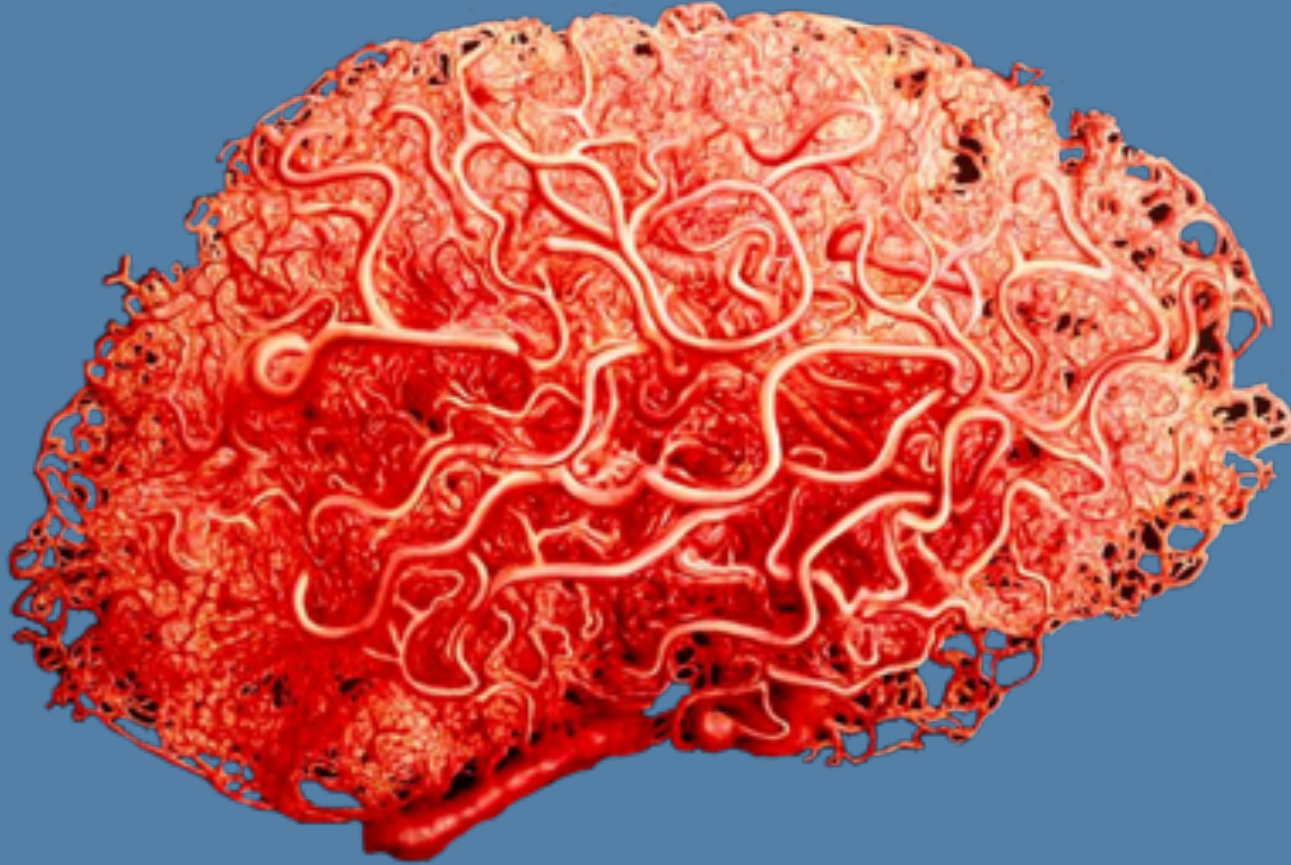
Zhittya Will Initiate US FDA-Authorized Clinical Trials in these Three Medical Indications in 2020

**We will basically repeat the same design as
the previous successful clinical trials.**

- **Coronary artery disease - US Phase I**
- **Diabetic foot ulcers – US Phase IIb**
- **Venous leg ulcers – US Phase II**

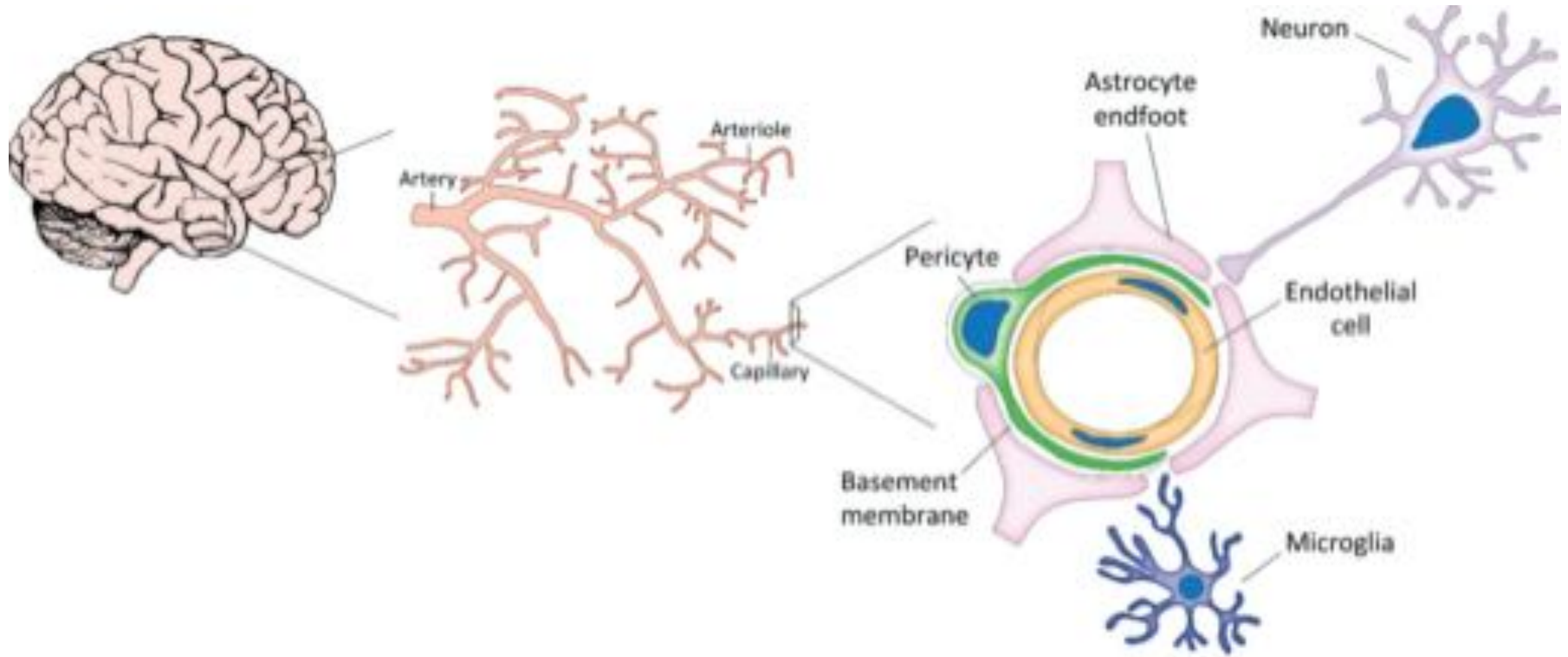


The Brain is Incredibly Vascularized



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The “Neurovascular Unit”

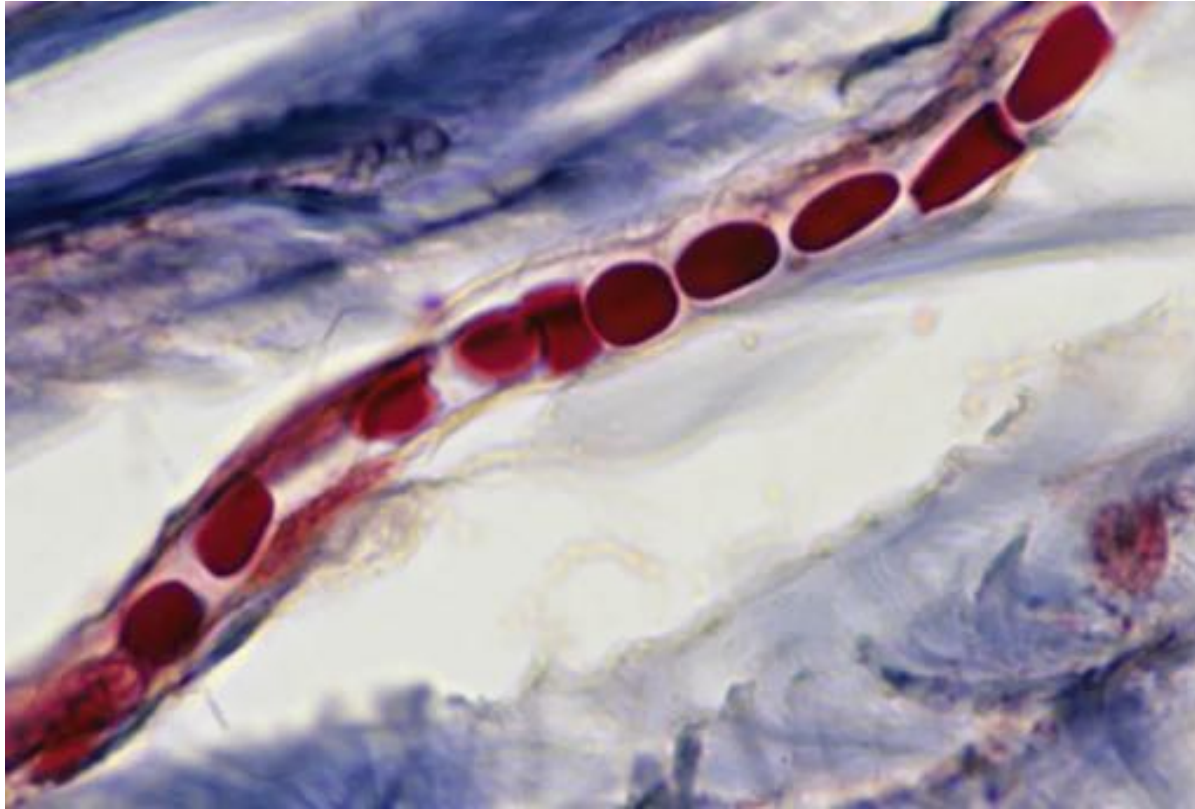


Trends in Pharmacological Sciences



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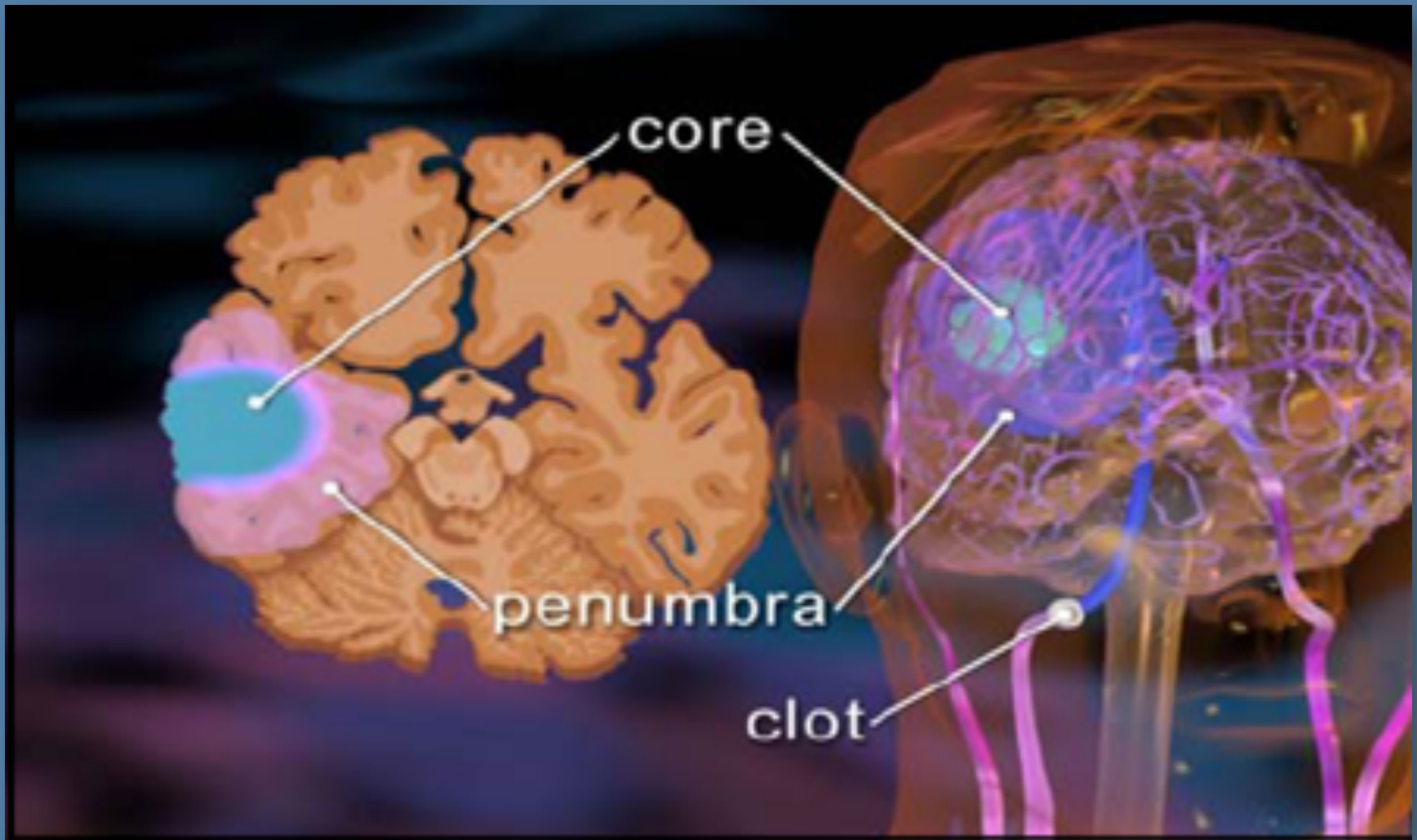
Red Blood Cells Traveling Through a Capillary Single File



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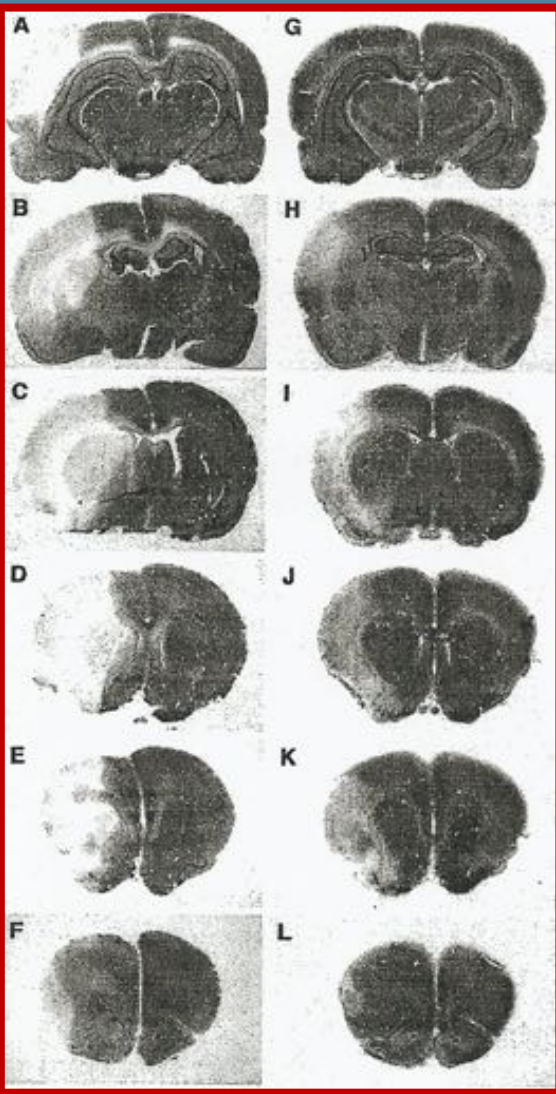
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Potential Healing Area in Brain By FGF-1 Injection



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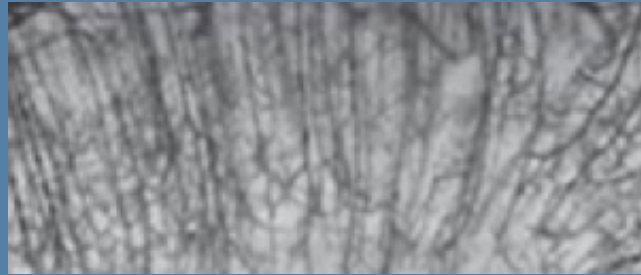


Placebo FGF-treated

FGF-1 Decreases Volume of Stroke in Rats

What FGF-1 Can Do in Stroke

Normal Brain



24 hours post-stroke

14 days post-stroke

Injured Brain
& Recovery
+ FGF-1

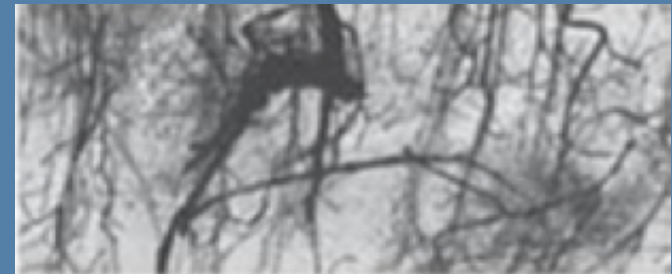
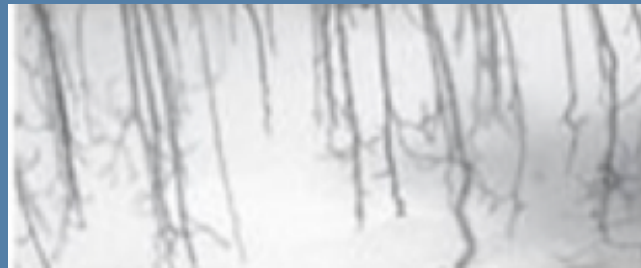


24 hours post-stroke



14 days post-stroke

Injured Brain
& Recovery
No FGF-1



***Revascularization of the
brain after a stroke***



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Parkinson's Disease



Dopamine Producing Neurons in the Brain are Affected by Parkinson's Disease

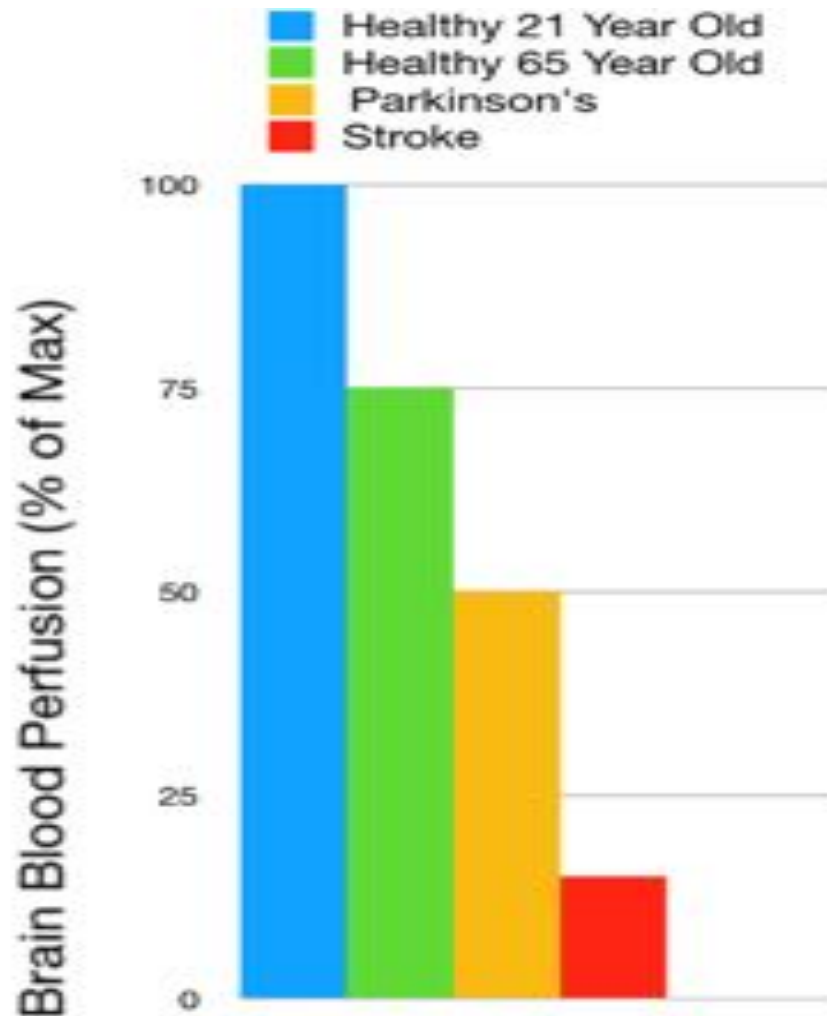


Dopamine Producing Neurons

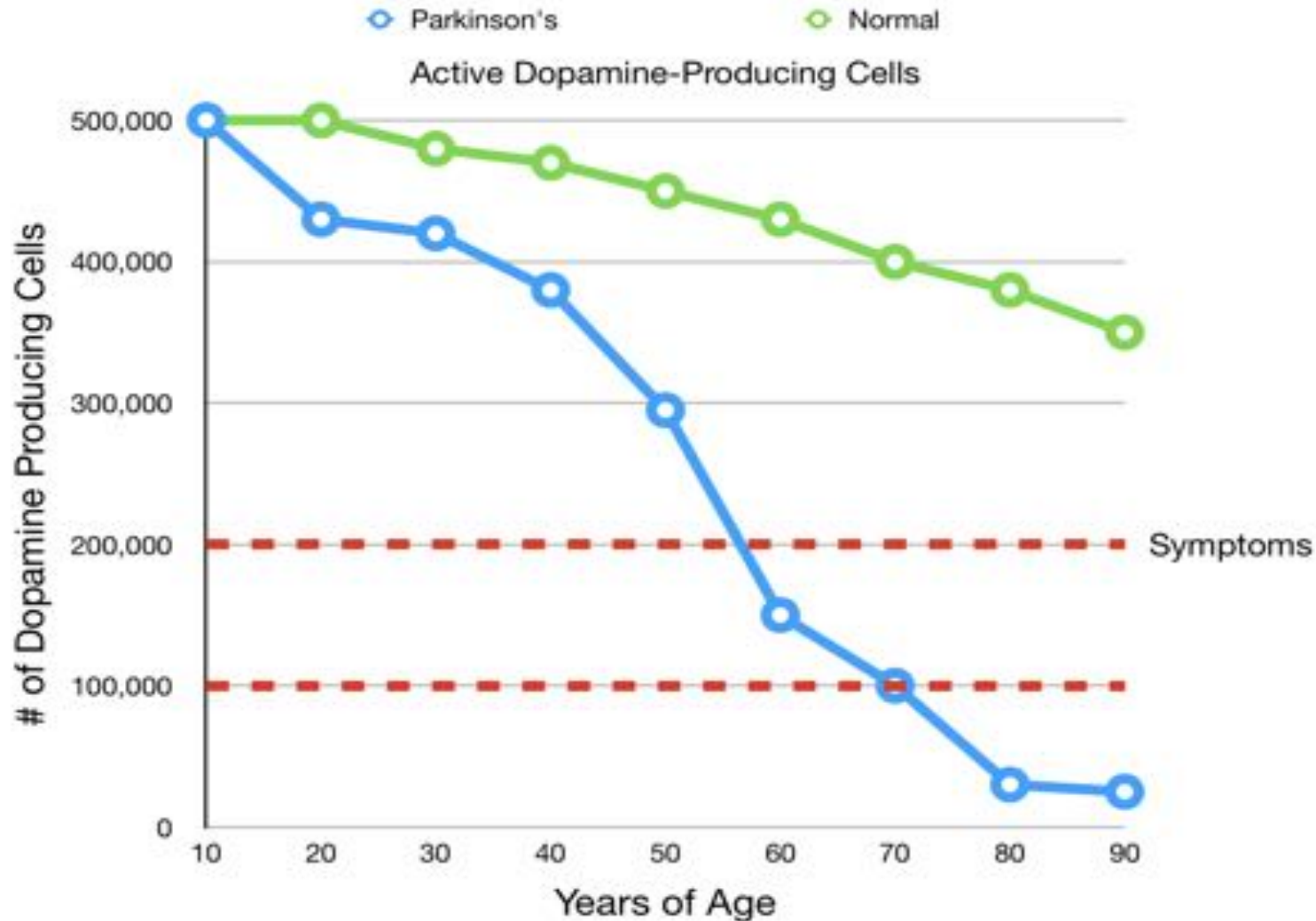


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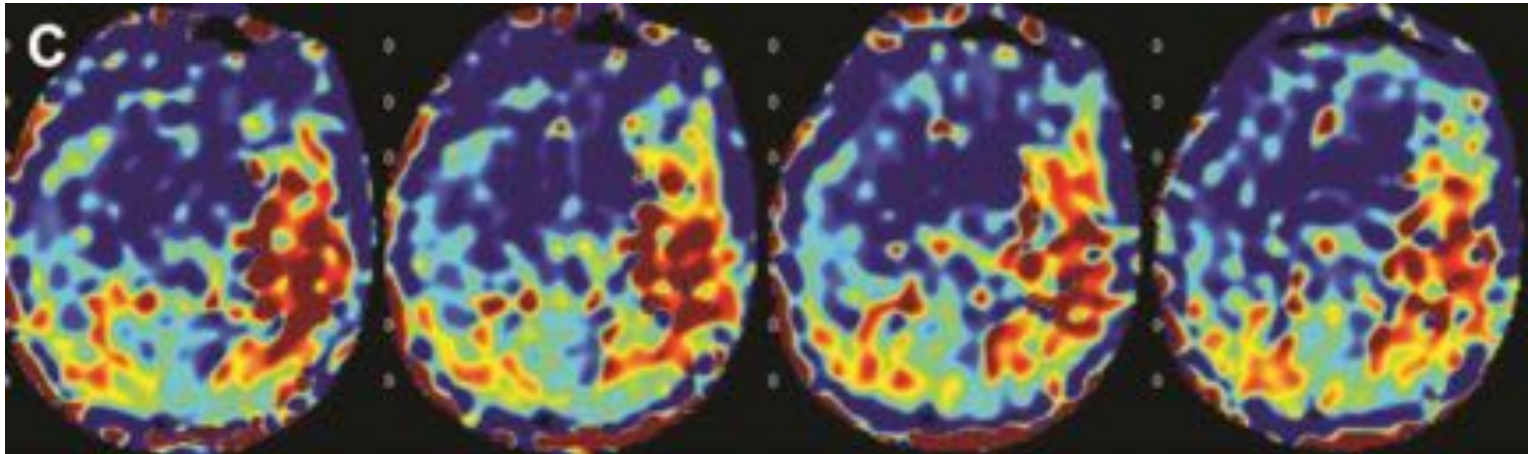
Regional Blood Perfusion (by functional MRI) in Healthy Adults and Subjects with Parkinson's Disease and Stroke



Decline of Dopamine Neurons in Parkinson's



MRI Scan Shows Perfusion Defects (Parkinson's Patient with Dementia)



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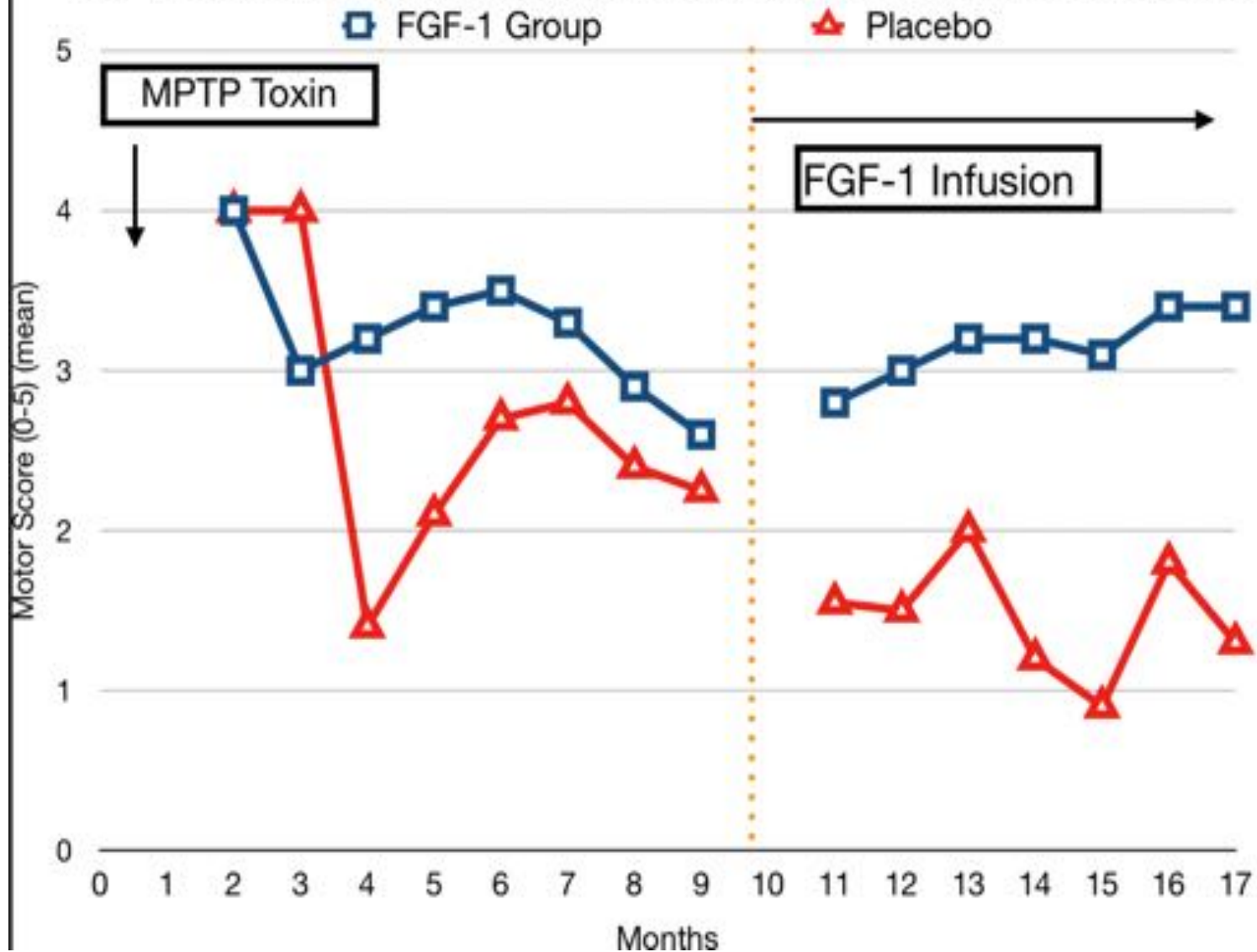


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Monkey Model of Parkinson's Disease



FGF-1 Improves Motor Scores in Monkeys with Parkinson's Disease



Disease Reversal in the Brains of Monkeys with Parkinson's Disease: Regeneration of New Neurons

New Dopamine Neurons (stain brown)

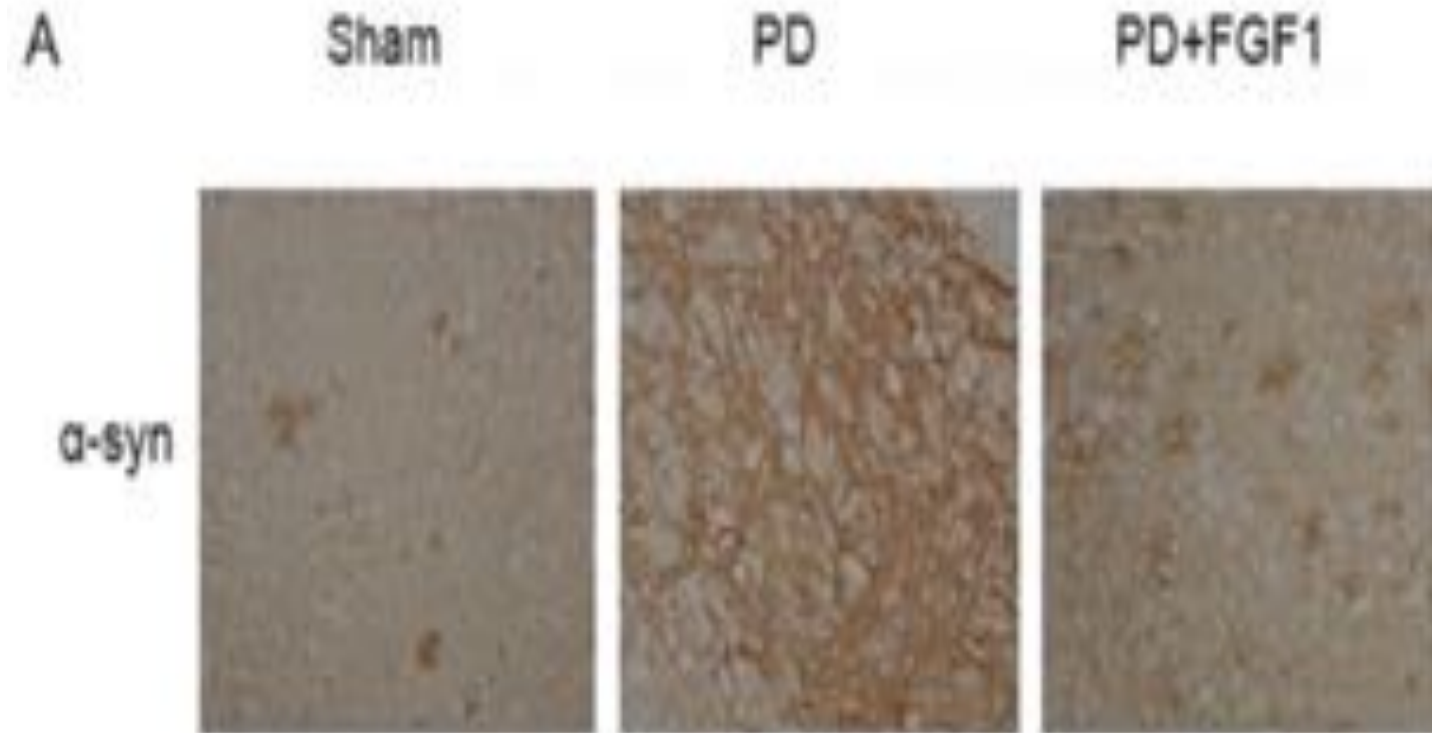
No FGF-1 →



FGF-1 Treated →



FGF-1 decreases the presence of aggregated α -synuclein in the nigrostriatal region



Zhittya Will Initiate “Proof of Concept” Clinical Trials in 2020

**Clinical Trials are under review by the US FDA,
as well as in Mexico and Estonia**

The trials will answer:

Is the medicine safe in the brain?

Is the medicine viable in these indications?

- **Parkinson’s disease**
- **ALS (Lou Gehrig’s disease)**
- **Alzheimer’s disease**
- **Multiple sclerosis**
- **Chronic depression**
- **Stroke recovery**



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If you want to participate in the clinical trials or want more information on medical indications we will be addressing:

Website: zhittyaregenerativemedicine.com

Office phone: (702) 802-9855



Thank you!



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