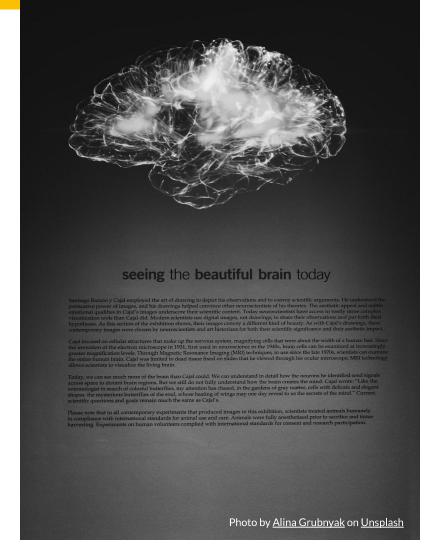


An Overview of the Brain and Nervous System

### Introduction to Neurology

- Study of the nervous system
- Structure of the brain and spinal cord
- Function of neurons and synapses



# Types of Neurological Disorders

- Degenerative diseases (Alzheimer's, Huntington's)
- Movement disorders (Parkinson's, ALS)
- Stroke and traumatic brain injuries



## **Neuroimaging Techniques**

- Computed Tomography (CT)
- Magnetic Resonance Imaging (MRI)
- Positron Emission Tomography (PET)



#### The Brain and Behavior

- Emotions and limbic system
- Language and Broca's area
- Memory and hippocampus



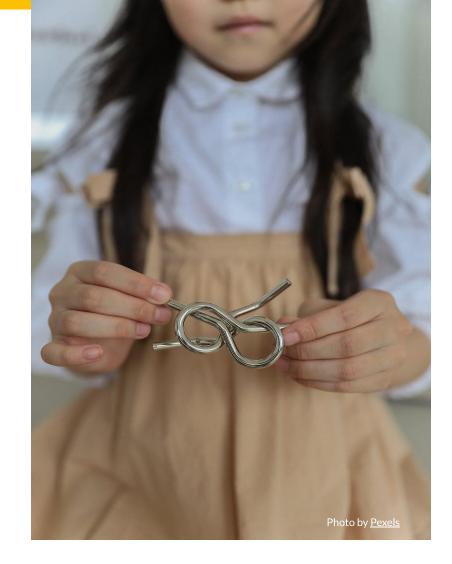
# Clinical Neurology

- Patient assessment and evaluation
- Diagnosis and treatment of neurological disorders
- Collaboration with other healthcare professionals



# Neuroplasticity and Brain Development

- The ability of the brain to change and adapt
- Effects of environmental factors and experiences
- Critical periods of brain development



## Neuropharmacology

- Study of drugs and their effects on the nervous system
- Treatment of neurological and psychiatric disorders
- Neurotransmitters and their pathways