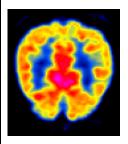
## **Prompt:**

Assuming you are a diagnostic medical PET expert, this picture is the PET image of human brain. Please analyze it and let me know what you can understand?



## **GPT-4V:**

I'm not a medical professional, but I can provide some information based on the appearance of this image, which seems to be a positron emission tomography (PET) scan of a human brain.

PET scans use radioactive tracers to visualize areas of activity in the brain by detecting where glucose is being used, which is an indicator of metabolic activity. Areas of higher metabolic activity typically show up as brighter or "hotter" spots on the scan because they're taking up more of the radioactive tracer.

In the image you provided:

The brighter red and yellow areas represent higher metabolic activity, which are typically associated with active brain regions at the time of the scan. The cooler colors like blue and green represent areas of lower metabolic activity.

To interpret a PET scan accurately, one needs to consider the patient's medical history, the reason for the scan, and a comparison with what is considered a normal pattern of brain activity. Abnormalities might indicate various conditions, such as tumors, epilepsy (during seizure-free periods, areas of the brain responsible for seizures may show decreased activity), Alzheimer's disease (which often shows decreased activity in the temporal and parietal lobes), or other neurological conditions.

## **Reference answer:**

NA