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1. **Introduction** (1 slide)
 The purpose of this presentation is to introduce the concept of **fMRI** and its application in neuroscience research. We will discuss the basic principles of fMRI, the experimental design, and the analysis of the data.



Figure 1

This figure shows the experimental setup for fMRI. The subject is lying in the scanner, and the data is being collected and analyzed in real-time.

The results of the fMRI study were published in *Nature Neuroscience*. The study found that the brain activity in the region of interest was significantly higher during the task compared to the baseline. This finding suggests that the task involves a specific cognitive process.



Figure 2

The results of the fMRI study were published in *Nature Neuroscience*.

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2020 年 10 月 20 日，Intel 宣布其最新的 AI 芯片，即 Intel AI Accelerator。该芯片是 Intel 在 AI 领域的重要突破，旨在为 AI 应用提供强大的加速能力。Intel AI Accelerator 芯片采用 10nm 工艺制造，集成了 Intel 最新的 AI 引擎，能够提供高达 100 TOPS 的算力。该芯片还支持 Intel 的 AI 软件栈，包括 Intel AI Analytics 和 Intel AI Accelerator 等。Intel AI Accelerator 芯片的推出，标志着 Intel 在 AI 芯片领域迈出了重要的一步。

«...הם יוכלו להשתמש בנתונים אלה כדי להבין טוב יותר את המוח ואת התהליכים שמתרחשים בו».

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