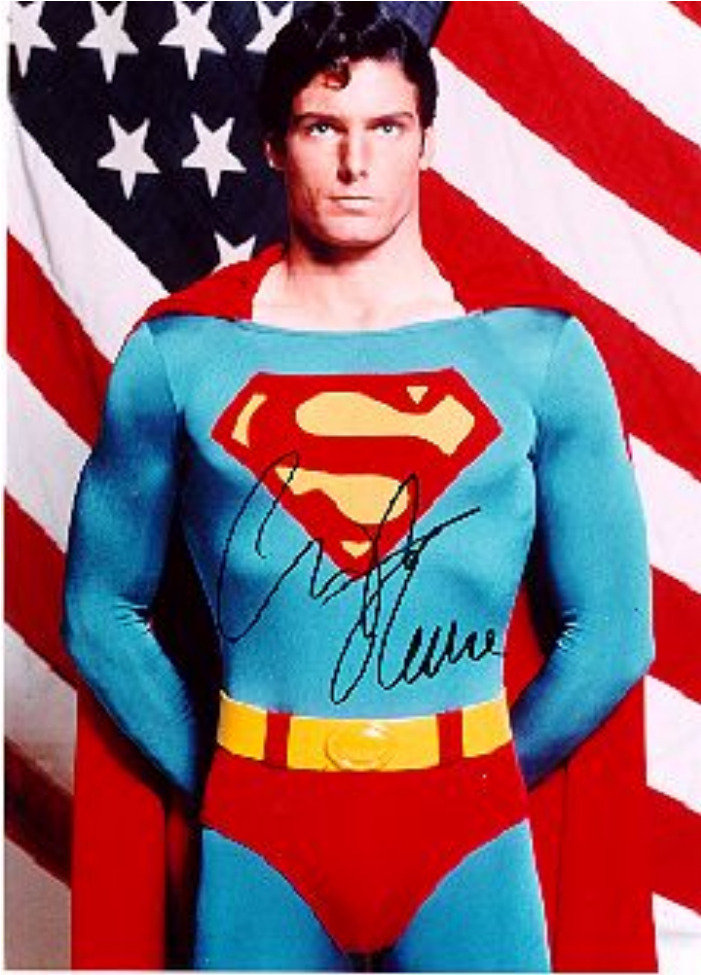


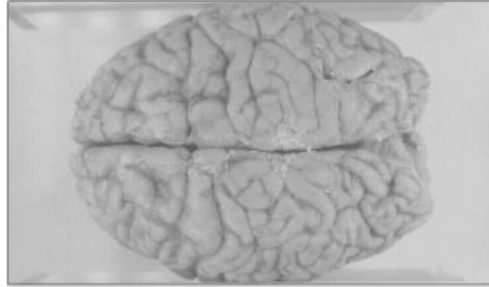
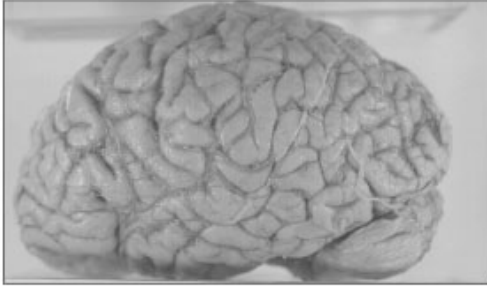
9. Hafta

Spinal Kord Yaralanması -- Christopher Reeve



Alzheimer Hastalığı

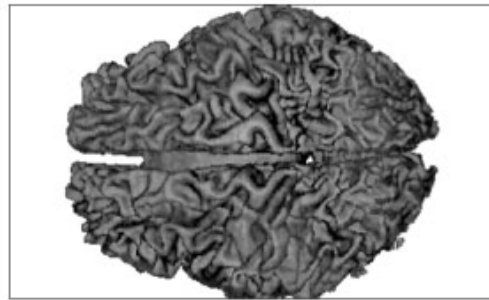
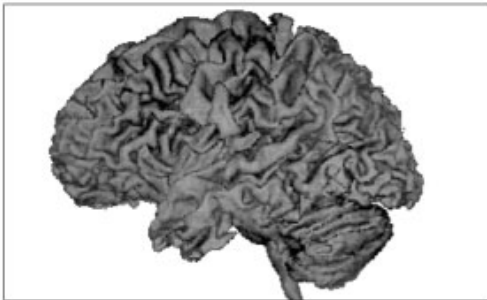
A. The brain of a normal elderly person



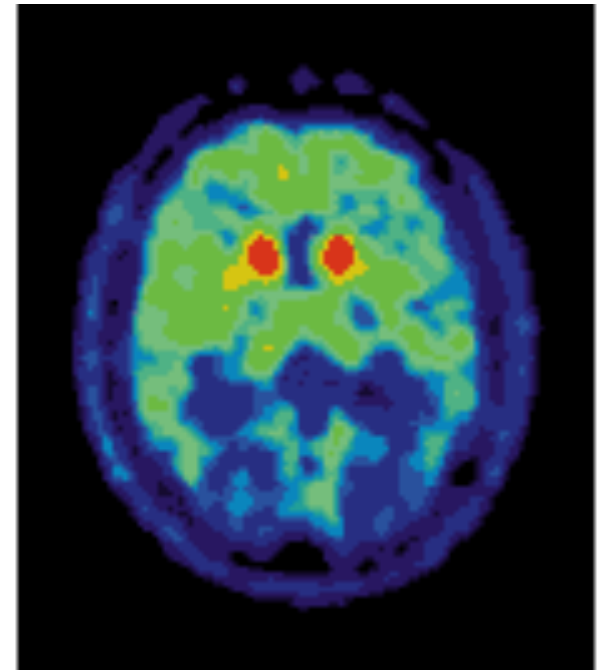
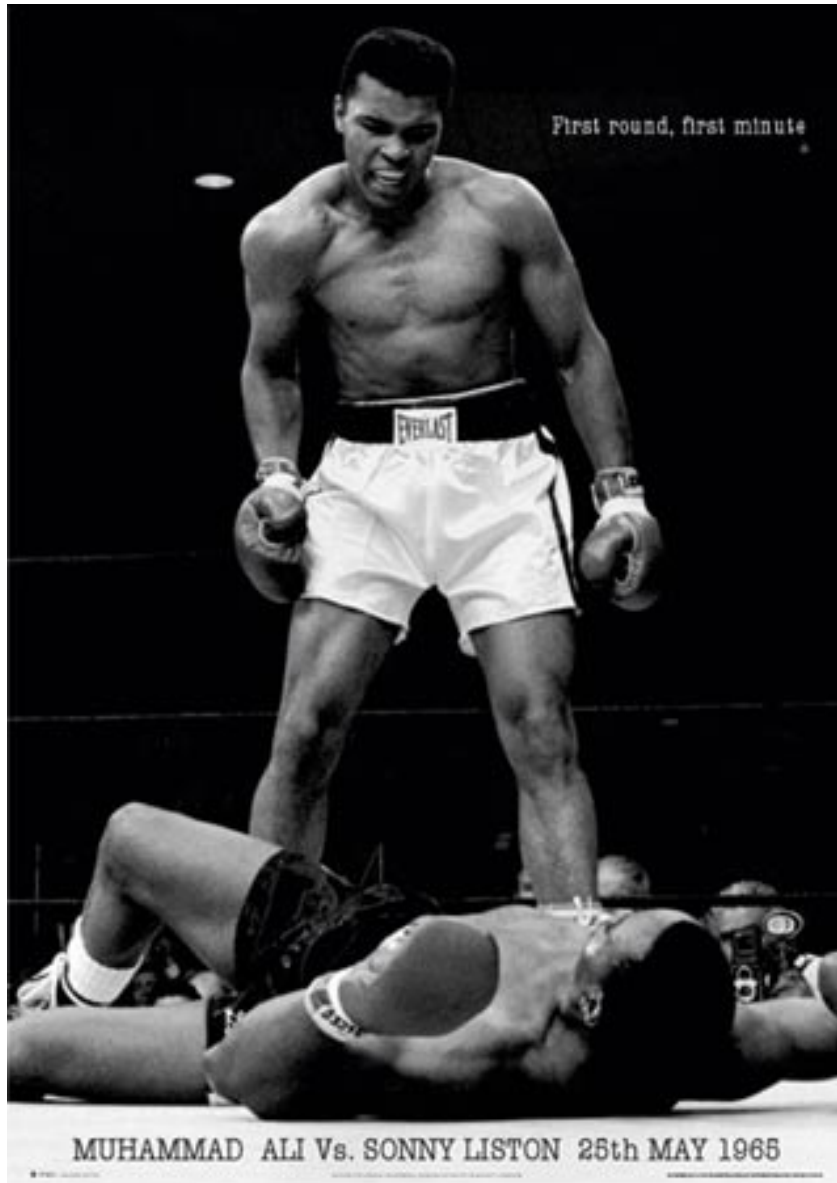
B. The brain of a person with Alzheimer's disease



C. The brain of a person with alcoholism



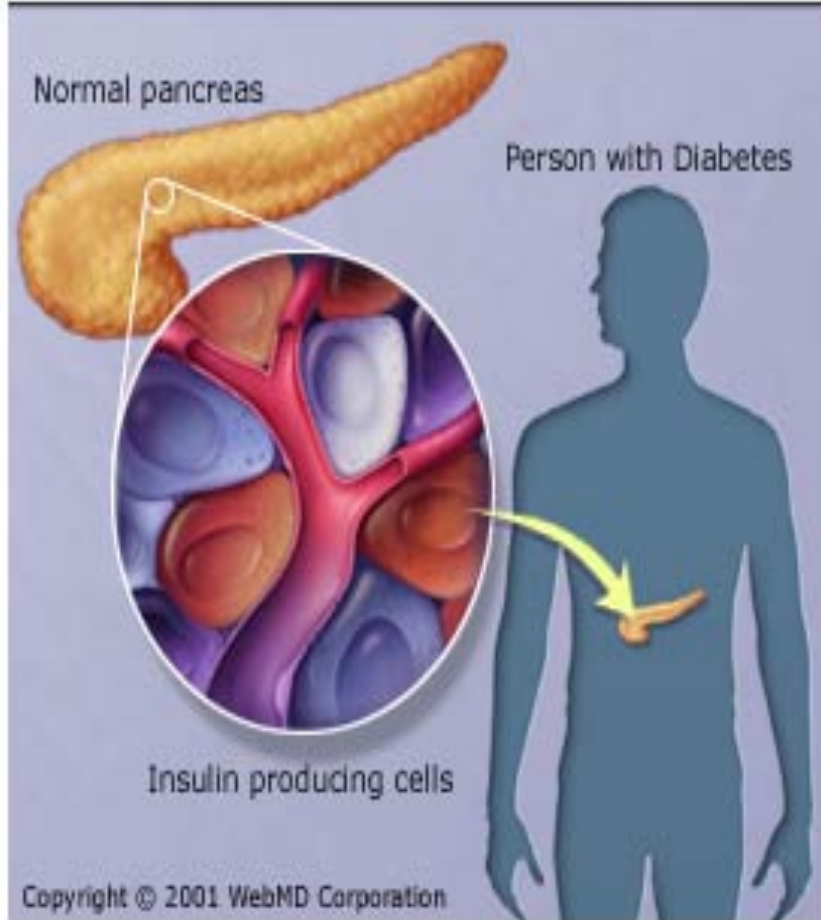
Parkinson' s Hastalığı



**PET illuminates the
Parkinsonian Brain**

Juvenile Diabetes

Islet Cell Transplant



Yerin kulağı var biliyoruz da...



Vacanti Faresi

The **Vacanti mouse** was a laboratory mouse that had what **looked like a human ear grown on its back**. The “ear” was actually an **ear-shaped cartilage structure grown by seeding cow cartilage cells into a biodegradable ear-shaped mold**. The earmouse, as it became known as, was created by Dr. Charles Vacanti, at the **University of Massachusetts** in **1995**. Created to demonstrate a method of **fabricating cartilage structures for transplantation into human patients**, a resorbable polyester fabric was infiltrated with bovine cartilage cells and implanted under the skin of a hairless mouse. The mouse itself was a commonly used strain of **immunocompromised mouse, preventing a transplant rejection**

Soyunu kurutan sivrisinek

Dang
Humması



Oxitec which is a **British bio-tech company**, has created **genetically modified mosquitoes**, which are **programmed for sudden, early death**. Oxitec's technology is a variation of a proven process called "**sterile insect technique**" It involves **irradiating male insects, causing mutations that make them sterile**. When released into the wild, they **mate with females passing on lethal genes which either kills the female or at least kills the youngs in her so then she fails to reproduce** . Scientists at this British bio tech company said they have evidence that their genetically modified mosquitoes can by this way for sure **control the spread of dengue fever**.

İçi dıřı bir kurbaęa



Timsah Jack



Jake the Alligator Man is a half-man, half-alligator on display in apparently mummified condition at Marsh's Free Museum, a tourist trap in Long Beach, **Washington**. He was discovered in **Florida swamp** in **1993**. He was reported for his escape from captivity, killing of a Miami man, and giving birth. Residents fled the region's beaches in fear of terrifying monsters lurking the sand dunes. Scientists are controversial about this creature. Some say its a **missing link** and some say it might be a **distant ancestor of man**. However some later theories claimed that it was an **early secret genetically engineering project gone wrong and wild**. Whatever Jake's true origin be but he surely is a mutant.

Parlayan balıklar



The **GloFish** is a patented brand of **genetically modified (GM) fluorescent zebrafish** with bright red, green, and orange fluorescent color. The original zebrafish from which the GloFish was developed measures three centimeters long and has gold and dark blue stripes. In **1999**, Dr. Zhiyuan Gong and his colleagues at the **National University of Singapore** were working with a gene called **green fluorescent protein (GFP)**, originally extracted from a jellyfish, that naturally produced bright green bioluminescence. They inserted the gene into a zebrafish embryo, allowing it to integrate into the zebrafish's genome, which caused the fish to be brightly fluorescent under both natural white light and ultraviolet light. Their goal was to develop a fish that could detect pollution by selectively fluorescing in the presence of environmental toxins. It is the **first genetically modified animal** to become publicly available as a pet.



Ruppy (short for Ruby Puppy) is a cloned beagle from **South Korea** who glows red under ultraviolet light. Ruppy was created in **2009** by a group of scientists in South Korea, led by Byeong-Chun Lee. The **dog was cloned using viral transfection of fibroblasts cells with a protein that expresses the red fluorescent gene.**

Kara mayınlarını gösteren bitkiler



Developed by **Copenhagen firm Aresa Biodetection**, these **genetically modified plants** can be handy when it comes to saving the world. **Whenever flowers hit nitrogen dioxide (which leaches into the soil from buried land mines), the plant changes color to red.**

Yakıt Dışkılayan Genetik Olarak Modifiye Böcekler



This isn't made up nor it's sci-fi, a researcher at silicon valley has found **genetically modified bugs which eat agricultural waste and excrete diesel fuel.**

Çevreci domuzlar



A genetically engineered pig approved for limited production which produces **65 percent less phosphorous in animal waste** thus very environmental friendly