

Angela: Hello, good morning.

Caleb: Hi, good morning.

Angela: Today we're back to record the third episode of our science project podcast.

Caleb: We're very excited. My name is Caleb.

Angela: And I'm Angela, but you can call me Angie.

Caleb: Today we're going to talk about AI and its impact in medicine.

Angela: That's right. Our third topic is about how AI can be useful in medicine, in what ways it's worth using, and what benefits it offers. Let's get started.

Caleb: One benefit of AI in medicine is informed patient care. AI provides valuable insights to healthcare professionals, enabling them to make informed decisions about the patient's care.

Angela: Yes, including mental health. It can give results that sometimes doctors can't provide immediately. AI helps streamline processes and give support in ways that weren't possible before.

Caleb: Another benefit is decision support. Sometimes people don't know what to do and make wrong decisions. AI can support those decisions and guide better ones.

Angela: Like what kind of decisions?

Caleb: For example, decisions related to a patient's treatment when people don't know what the best course of action is, AI can help.

Angela: Another benefit is cost. Using AI in medicine can be more affordable. It helps reduce mistakes and brings new technologies to healthcare.

Caleb: Yes, AI has been evolving and improving with new advancements, and it continues to bring value to medical fields and other areas.

Angela: Do you think AI can help in discovering new places or resources for treatment?

Caleb: Definitely. AI can help find new addresses, hospitals, or doctors. It helps expand treatment options for patients.

Angela: Now let's talk about applications of AI in medicine.

Caleb: One of the first is drug development. AI helps in exploring new drugs and improving the process of creating medicine.

Angela: In the past, developing medicine was a longer, harder process. Now, with AI, it's easier to research ingredients or even create custom treatments that might not be available in pharmacies.

Caleb: Another application is medical imaging. AI can assist radiologists in analyzing images and detecting abnormalities that doctors might miss at first glance.

Angela: That's true. Machines in hospitals might not recognize certain images, but AI can help doctors with more accurate readings.

Caleb: AI can also speed up clinical trials by optimizing data and analysis, helping detect conditions or abnormalities faster.

Angela: Some machines can't be replaced by AI, but it's true that AI has great potential to perform many important tasks in healthcare—sometimes even better than traditional machines.

Caleb: AI also plays a role in treatment, especially with diseases like cancer. It can help with early detection and diagnostics.

Angela: Yes, like breast cancer. AI can support understanding and diagnosing those conditions.

Caleb: It can also analyze brain scans and help in large vessel operations, assisting with patient treatment.

Angela: AI is one of the most useful tools available. It's important to use it wisely and in helpful ways.

Caleb: Let's now talk about the future of AI in medicine.

Angela: I think it's going to be a big process for people to get used to it. Not everyone is comfortable relying on AI, especially for medical advice or diagnoses. It might take time, but eventually people will see how helpful it can be.

Caleb: I agree. AI can support doctors, nurses, and especially patients.

Angela: It can help us discover new things in medicine—new diseases, treatments, and cures.

Angela: Thank you for watching and listening to our podcast.

Caleb: We're very glad to be here with you.

Angela: And we were glad to talk about AI and medicine. Thank you! Bye!