



Erika Meyer <ekm@seastorm.com>

soft-tissue biomedical implant materials question

1 message

Erika Meyer <ekm@seastorm.com>

Wed, Mar 30, 2022 at 1:06 PM

To: canand@mit.edu

Dear Dr Dağdeviren,

I've watched some of your online videos where you describe your research with biomedical implants used in soft tissues. I know you must be a very busy person but of course your research is designed to help people, and I am someone who could use some help with "decoding." I have reason to be concerned that I'm being involuntarily used as a medical research subject and that it is adversely affecting my health, and furthermore, I have reason to believe there are others in this same position. Obviously this is potentially a huge problem for medical ethics as well as human rights. If you would be so kind as to answer a couple of brief questions, I would be extremely grateful.

My primary question is, are some of the materials used in biomedical implants transparent to normal medical x-rays? And if you are able, can you tell me what those materials are?

For example, does polyetherimide (PI) show on an x-ray? what about silicone, borosilicate? Are there any other materials you know of being used in these types of devices that are transparent to x-rays?

I guess in short what I'm seeking is a material that is both electrically conductive and can be wirelessly accessed, but is invisible to an x-ray.

The other question I have is, do you know of any medical devices which could be used to detect the presence of wirelessly operated biomedical implants that a patient may have, but doesn't know about? I'm thinking about something similar to a bug detector that can be used to find hidden wireless cameras and microphones in a room. Is there a similar type of device which is available (on the market) to hospitals, doctors?

Thank you so much for any direction and information you can offer.

Sincerely,

Erika Meyer