

 MRI complications. There have been reports of people with tattoos or permanent makeup who experienced swelling or burning in the affected areas when they underwent magnetic resonance imaging (MRI). This seems to occur only rarely and apparently without lasting effects.

There also have been reports of tattoo pigments interfering with the quality of the image. This seems to occur mainly when a person with permanent eyeliner undergoes MRI of the eyes. Mascara may produce a similar effect. The difference is that mascara is easily removable.

The cause of these complications is uncertain. Some have theorized that they result from an interaction with the metallic components of some pigments.

However, the risks of avoiding an MRI when your doctor has recommended one are likely to be much greater than the risks of complications from an interaction between the MRI and tattoo or

permanent makeup. Instead of avoiding an MRI, individuals who have tattoos or permanent makeup should inform the radiologist or technician of this fact in order to take appropriate precautions and avoid complications.

A Common Problem: Dissatisfaction

A common problem that may develop with tattoos is the desire to remove them. Removing tattoos and permanent makeup can be very difficult.

Although tattoos may be satisfactory at first, they sometimes fade. Also, if the tattooist injects the pigments too deeply into the skin, the pigments may migrate beyond the original sites, resulting in a blurred appearance.

Another cause of dissatisfaction is that the human body changes over time, and styles change with the season. The permanent makeup that may have looked flattering when first injected may later clash with changing skin tones and facial or body contours. People who plan to have facial cosmetic surgery are advised that the appearance of their permanent makeup may become distorted. The tattoo that seemed stylish at first may become dated and embarrassing. And changing tattoos or permanent makeup is not as easy as changing your mind.

Consult your healthcare provider about the best removal techniques for you.

What About Temporary Tattoos?

Temporary tattoos, such as those applied to the skin with a moistened wad of cotton, fade several days after application. Most contain color additives approved for cosmetic use on the skin. However, the agency has issued an import alert for certain foreign-made temporary tattoos.

The temporary tattoos subject to the import alert are not allowed into the United States because they don't carry the FDA-mandated ingredient labels or they contain colors not permitted by FDA for use in cosmetics applied to the skin. FDA has received reports of allergic reactions to temporary tattoos.

In a similar action, FDA has issued an import alert for henna intended for use on the skin. Henna is approved only for use as a hair dye, not for direct application to the skin. Also, henna typically produces a reddish brown tint, raising questions about what ingredients are added to produce the varieties of colors labeled as "henna," such as "black henna" and "blue henna." FDA has also received reports of allergic reactions to products applied to the skin that contain henna.

Reporting Adverse Reactions

FDA urges consumers and healthcare providers to report adverse reactions to tattoos and permanent makeup, problems with removal, or adverse reactions to temporary tattoos. Consumers and healthcare providers can register complaints using the contact information in Your Guide to Reporting Problems to FDA.

For related information on infections in the following documents from the Centers for Disease Control: Vint Pepatitis B Followine and "Methicillin-Resistant Staphylococcus aureus Star Unfections (Dublished Diversion Recipients --- Ohio, Kentucky, and Vermont, 2003, 2005 (published Diversion Morbidity and Mortality Weekly Report, June 23, 2006). * For related information on infections Recentioning, 40 the following documents from the

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