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Benefits and Specifications

Ear Prosthesis

When a patient loses an ear, the psychological impact can be devastating. The only part of the human body which cannot be covered by clothing is the face. Society simply does not allow the amputee with a facial amputation to function normally in public.

In addition to the obvious appearance restoration, a prosthetic ear can protect the injured tissue from infection caused by inadvertently touching the injured tissue with the hands, and enhance hearing by funneling the sound into the ear canal. The prosthesis may also help retain glasses or sunglasses on the face, which is difficult without the ear.

ARTech's ear prosthesis is made of implant grade silicone, which is very well tolerated by human skin. Generally, it is retained by medical grade adhesive specifically designed for the purpose. Using a cast of the sound ear, or if both are gone, available photographs, the prosthesis is sculpted by a biomechanical sculptor to resemble, as closely as possible, the patient's original ear. It is fitted to a model of the residual facial tissue for intimate fit. After molding, the prosthesis is painted by a coloration artist to blend the ear into the surrounding skin, making the final restoration difficult to detect without close inspection.