

Bioengineered patch regrows damaged bones inside the body

Researchers from the University of Iowa have developed a remarkable new procedure for regenerating missing or damaged bone. It's called a "bio patch" — and it works by sending bone-producing instructions directly into cells using microscopic particles embedded with DNA.

In experiments, the gene-encoding patch has already regrown bone fully enough to cover skull wounds in test animals. It has also stimulated new growth in human bone marrow stromal cells. Eventually, the patch could be used to repair birth defects involving missing bone around the head or face. It could also help dentists rebuild bone in areas which provides a concrete-like foundation for implants.

Read the full, original story here: [A bioengineered patch that regrows damaged bones *inside* the body](#)