

He was left with no scars after they reconstructed his face

November 11 2015



This image illustrates the patient before his injury. Credit: Dr. Daniel Borsuk

Scar-free facial reconstruction is now a reality. A team led by Daniel Borsuk, a doctor at Hôpital Maisonneuve-Rosemont and a professor at the University of Montreal, recently conducted the very first such procedure in the history of plastic surgery in Canada. The hospital is part of the CIUSS de l'Est-de-l'île-de-Montréal health network. In an eight-hour operation on an adult patient, Dr. Daniel Borsuk carried out the facial reconstruction using virtual surgery and 3D models, removing a vascularized piece of pelvic bone and reshaping it to adapt it to the rest of the face before transplanting it through the inside of the mouth, with no scars left at all.

In the past, this type of procedure would have necessitated multiple interventions and left one or more scars.

"The operation, during which the latest technologies were applied to reconstructive plastic surgery, sends a real message of hope to anyone who feels they must simply live with this type of disfigurement and who often feels so self-conscious that they isolate themselves," explained Dr. Borsuk.

For more than 25 years, Hôpital Maisonneuve-Rosemont and the Faculty of Medicine at the Université de Montréal have played a key role in the field of [plastic surgery](#), their professionals working tirelessly to achieve technological advances and make these breakthroughs available to patients.

Dr. Borsuk had already participated in a milestone moment in the history of reconstructive surgery when he was the only Canadian physician on an American face transplant team. In 2012, he took part in the most

extensive [face transplant](#) ever conducted, on a 37-year-old man disfigured by a gunshot wound.



This image illustrates the patient after his injury. Credit: Dr. Daniel Borsuk



This image illustrates a 3-D reconstruction of the patient's skull. Credit: Dr. Daniel Borsuk

Provided by University of Montreal

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