

# VSP® Reconstruction Virtual Surgical Planning



## **VSP®** Reconstruction

stryker

### Virtual Surgical Planning

VSP Reconstruction is a digital planning solution for all your maxillofacial surgical needs.

Common VSP Reconstruction applications include planning for maxilla/mandible reconstruction using the fibula free-flap, facial trauma and distraction osteogenesis.

- Simulate cranio-maxillofacial procedures on your patient's CT/CBCT.
- Optimization of surgeon defined osteotomies and bony movements prior to surgery.
- Transfer the virtual plan to surgery using patient specific osteotomy and positioning guides.

Part number	Description	
VSPRECON	VSP Reconstruction mandibular/maxillary case bundle (metal inserts included)	_
*Part number may vary based on case deliverables		_

For information regarding CT scanning protocols please refer to the CT scanning protocol or your Stryker sales representative.

#### – Protocol

- 1. Hirsch DL, Garfein ES, Christensen AM, Weimer KA, Saadeh PB, Levine JP: Use of computer-aided design and computer-aided manufacturing to produce orthognathically ideal surgical outcomes: a paradigm shift in head and neck reconstruction. J Oral Maxillofac Surg 67:2115-2122, 2009
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- 3. Hanasono MM, Jacob RF, Bidaut L, Robb GL, Skoracki RJ: Midfacial reconstruction using virtual planning, rapid prototype modeling, and stereotactic navigation. Plast Reconstr Surg 126(6):2002-2006, 2010
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#### Accuracy/outcomes

**Clinical evidence** 

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- 15. Markiewicz MR, Bell RB: The use of 3D imaging tools in facial plastic surgery. Facial Plast Surg Clin N Am 19:655-682, 2011
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- 18. Broer P, Tanna N, Franco P, Thanik V, Levine S, Garfein E, Saadeh P, Ceradini D, Hirsch D, Levine J: Ten-year evolution utilizing computer-assisted reconstruction for giant ameloblastoma. J Reconstr Microsurg 29: 173-180, 2013
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#### Case study/review

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A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery.

The information presented is intended to demonstrate the breadth of Stryker product offerings. A surgeon must always refer to the package insert, product label and/or instructions for use before using any Stryker product. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

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