Structural preservation rhinoplasty combines the use of dorsal preservation and structural grafting.

### Benefits of Dorsal Preservation Techniques in Primary Rhinoplasty

- **Preserves the dorsal aesthetic lines when lowering the dorsal hump**
- **Shortens healing time with a less likelihood of scarring if the dorsum skin is not dissected**

### Patient Selection for Dorsal Preservation

Patients with a dorsal hump or deviation are ideal candidates, of which most can be treated using this technique.

### What are the benefits of dorsal preservation techniques in primary rhinoplasty?

- **Reducing hump recurrence**
- **Preserving structural changes**
- **Reducing dorsal hump to improve aesthetics**

### Dorsal Preservation Techniques Involve:

- Releasing the dorsum from the septum and the face (osteotomies)
- Lowering the nasal profile and dorsal hump to improve aesthetics
- "Subdorsal Z-flap" provides a handle that helps create a straight or slightly concave dorsum
- Osteotomies release the bony vault and reduce bony hump
- Fixation maintains structural changes and prevents hump recurrence

### Tools to Expand the Indications for Dorsal Preservation

- Segmental spreader flaps
- Extension grafted Cottle rotation-advancement flap
- Submucosal spreader grafts

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Structural Preservation Rhinoplasty: A Hybrid Approach
Toriumi et al. (2022) | 10.1097/PRS.0000000000009063

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