





Treating the Periorbital and Upper Face Areas



DOKTER**FRODO**GAYMANS





Ť\\\	Introduction
	Anatomy of the periorbital region
(2)	Effects of ageing on the periorbital region
	Treatment overview
(E)A	Injection techniques
Į.	Potential complications

The periorbital features are the most scrutinised of the face¹





- The upper face is:^{1,2}
 - The aesthetic centre of the face
 - Where we look to estimate age
 - The region we use to judge a person's emotional state
- The periorbital region is one of the first to show the effects of ageing³

 Massry GG et al (eds). Master Techniques in Blepharoplasty and Periorbital Rejuvenation. Tan KS Chapter 2. Springer 2011.
 Perlman SB et al. PLoS One 2009;4(6):e5952.
 Kranendonk S & Obagi S. Dermatol Surg 2007;33:572–8.



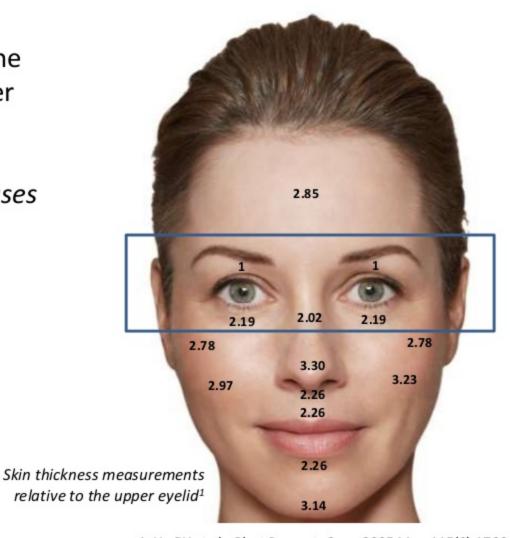
Anatomy of the periorbital region

DOKTER**FRODO**GAYMANS

The skin around the orbita is the thinnest of the face¹



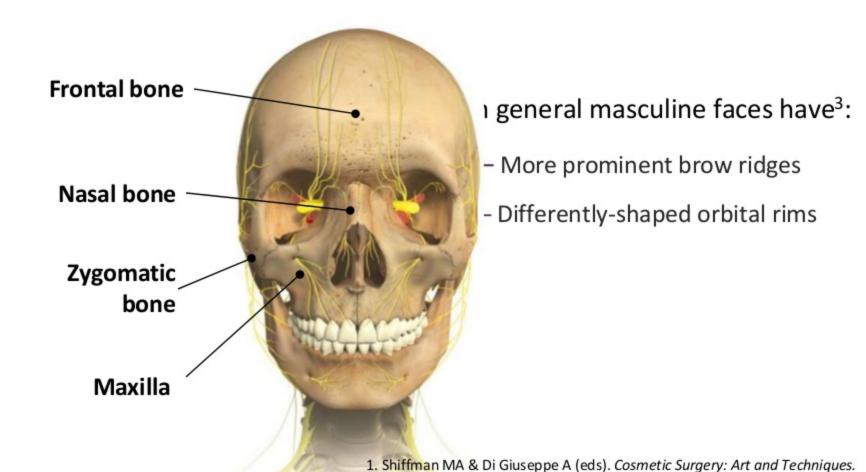
- In general, facial skin is thinner in the upper face compared with the lower face region²
- During ageing, skin thickness increases on the forehead and cheeks but decreases in infraorbital areas²



*Skin thickness measurements taken from three adult cadavers, two female and one male, aged 51–82 years.¹ Ha RY et al., Plast Reconstr Surg. 2005 May;115(6):1769-73.
 Pellacani G & Seidenari S, Acta Derm Venereol. 1999 Sep;79(5):366-9.

Facial appearance is influenced by the underlying facial bones^{1,2}





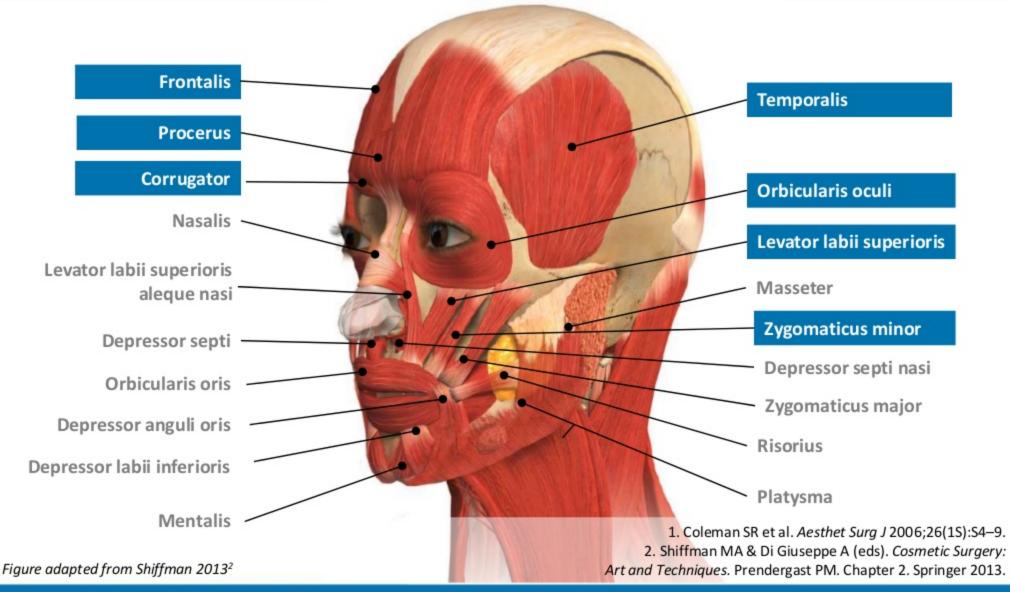
3. Mendelson B & Wong CH. Aesthetic Plast Surg 2012;36(4):753-60.

2. Standring S et al. Gray's Anatomy Fortieth Edition (p473-474). Elsevier 2008.

Prendergast PM. Chapter 2. Springer 2012.

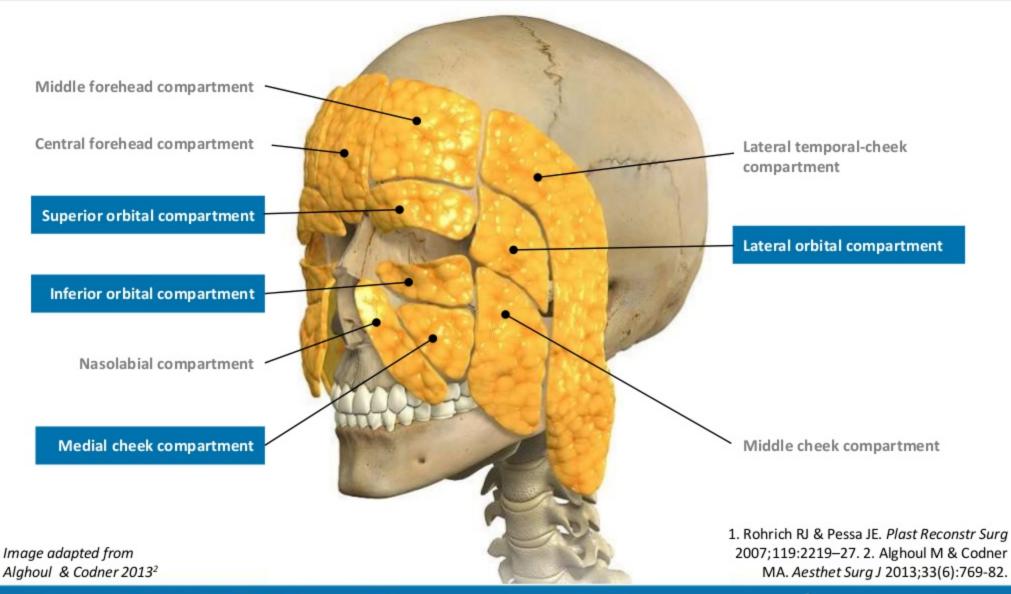
Repeated action of facial muscles over time leads to development of rhytides¹





Subcutaneous facial fat exists in distinct anatomical compartments¹







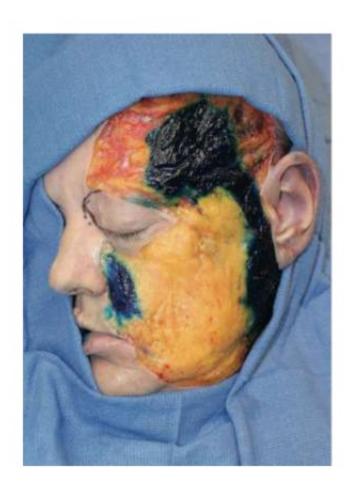
Temporaal fat pad

Lateraal orbital fat pad Frontaal fat pad Malar fat pad

Prejowl fat pad
Superieur orbital fat pad
Inferieur orbital fat pad
Nasolabial fatpad











Temporaal fat pad

Lateraal orbital fat pad

Frontaal fat pad

Malar fat pad

Prejowl fat pad

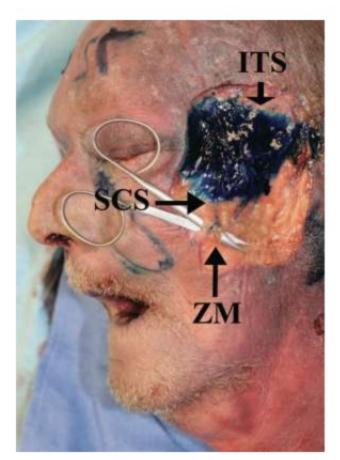
Superieur orbital fat pad

Inferieur orbital fat pad

Nasolabial fatpad









inferior temporal septum superior cheek septum



Temporaal fat pad Lateraal orbital fat pad

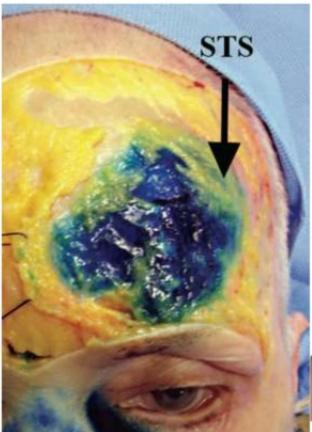
Frontaal fat pads

Malar fat pad
Prejowl fat pad
Superieur orbital fat pad
Inferieur orbital fat pad
Nasolabial fatpad





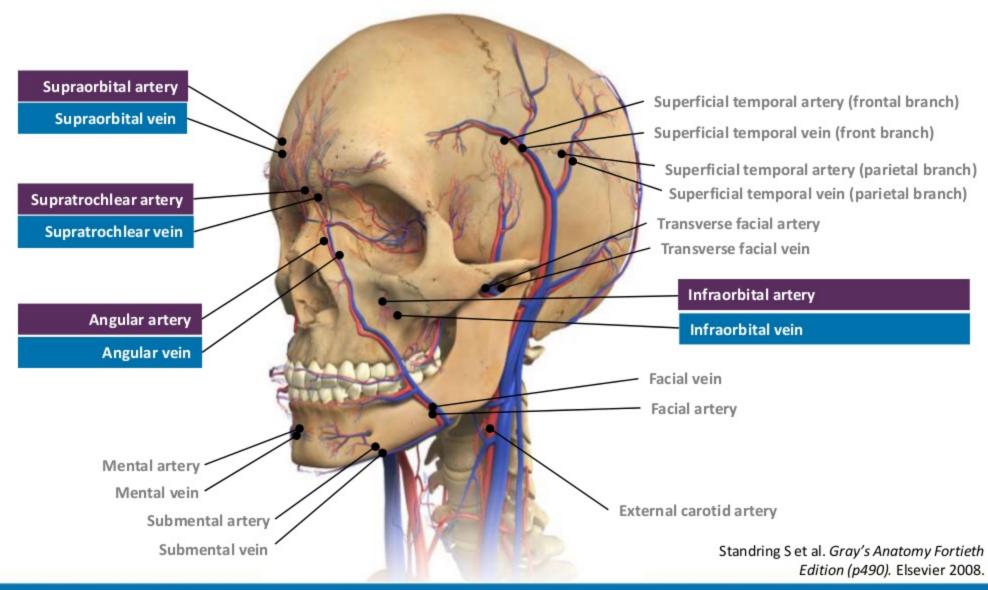






Inspection of the vascular structures prior to injecting

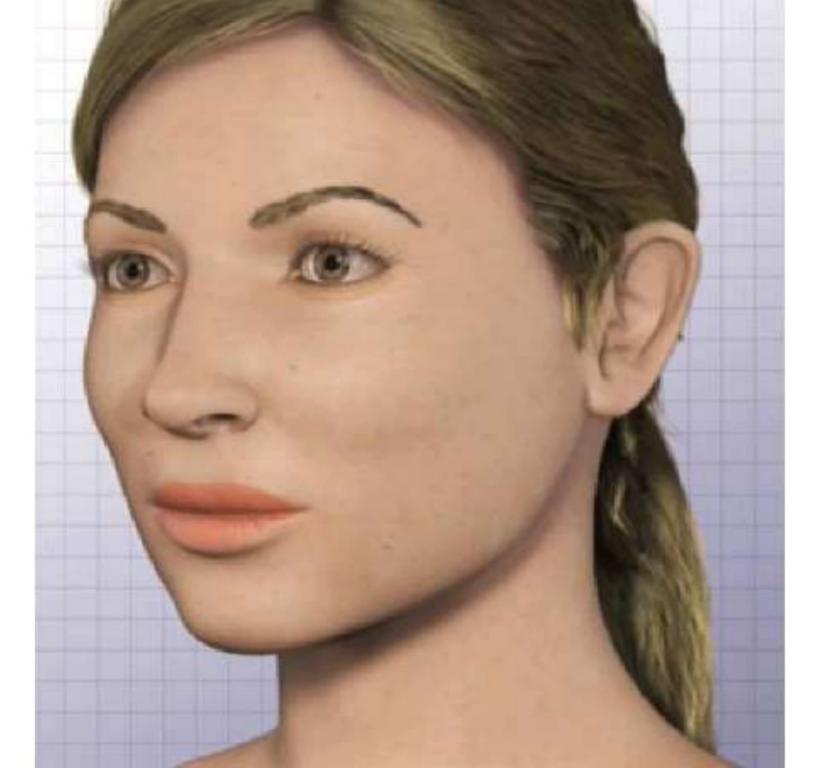






Effects of ageing on the periorbital region

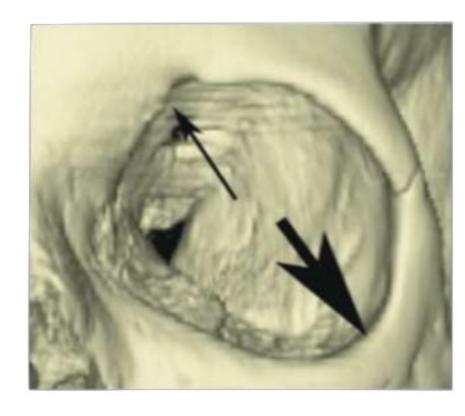
DOKTER**FRODO**GAYMANS



Bone changes



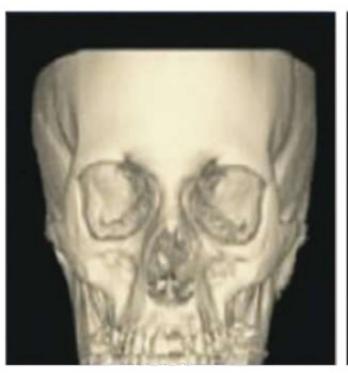


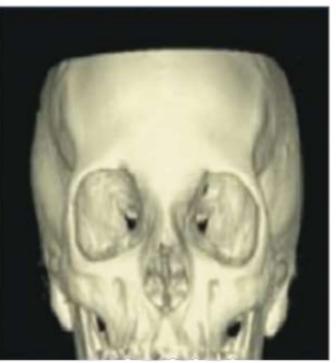


1. Coleman SR et al. Aesthet Surg J 2006;26(1S):S4-9.

Bone changes









1. Coleman SR et al. Aesthet Surg J 2006;26(1S):S4-9.

The facial muscles are concealed by subcutaneous fullness in youth¹





During **ageing**, significant loss of subcutaneous volume accentuates the underlying bone and muscle structures¹

Coleman SR et al. Aesthet Surg J 2006;26(1S):S4-9.

