



Dr. Ingrid Allgoewer

Entropium – Operationen: vom SharPei bis zum Labrador

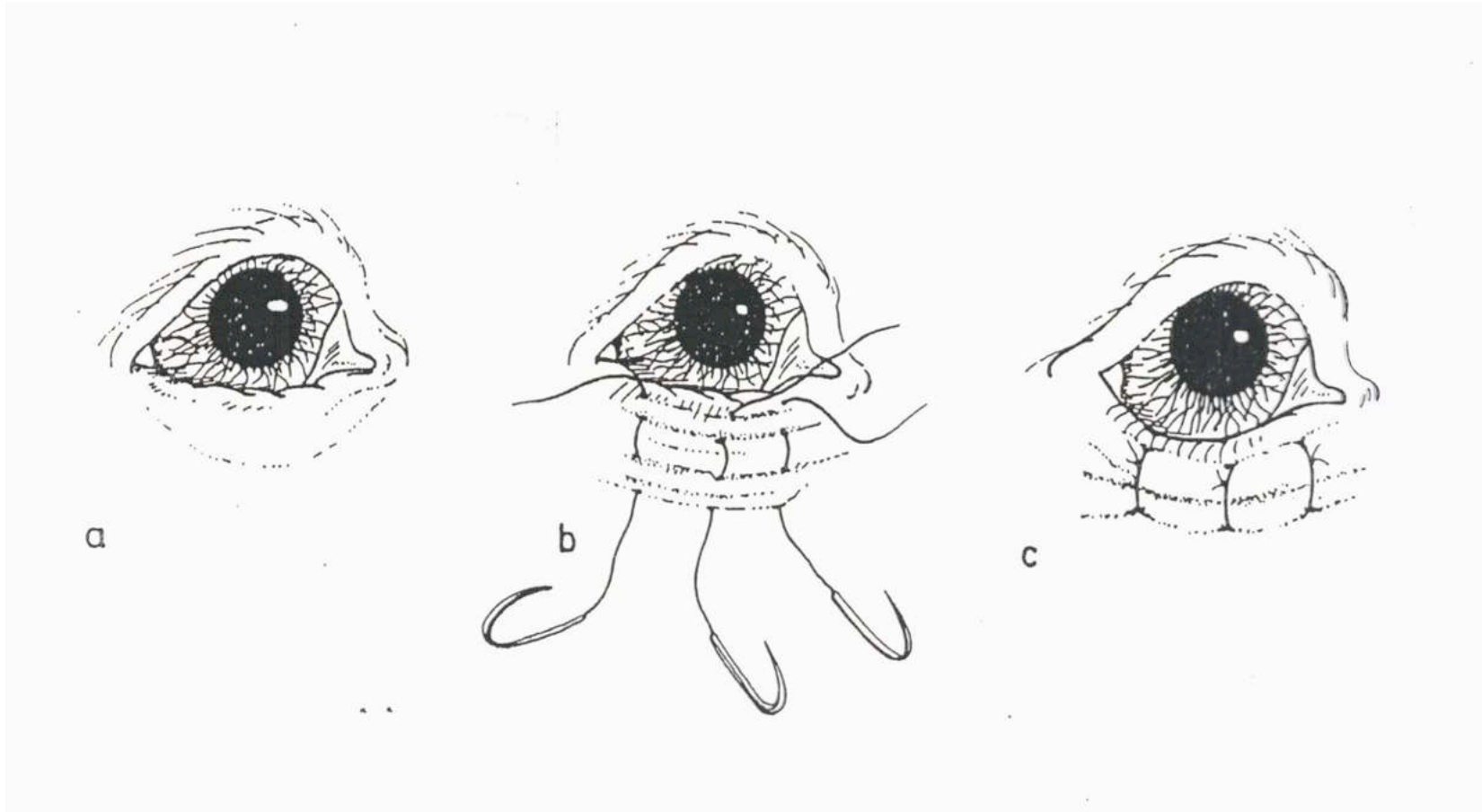
Ingrid Allgoewer DECVO

Augen-Tierarztpraxis, Berlin



VÖK 2014

Tacking



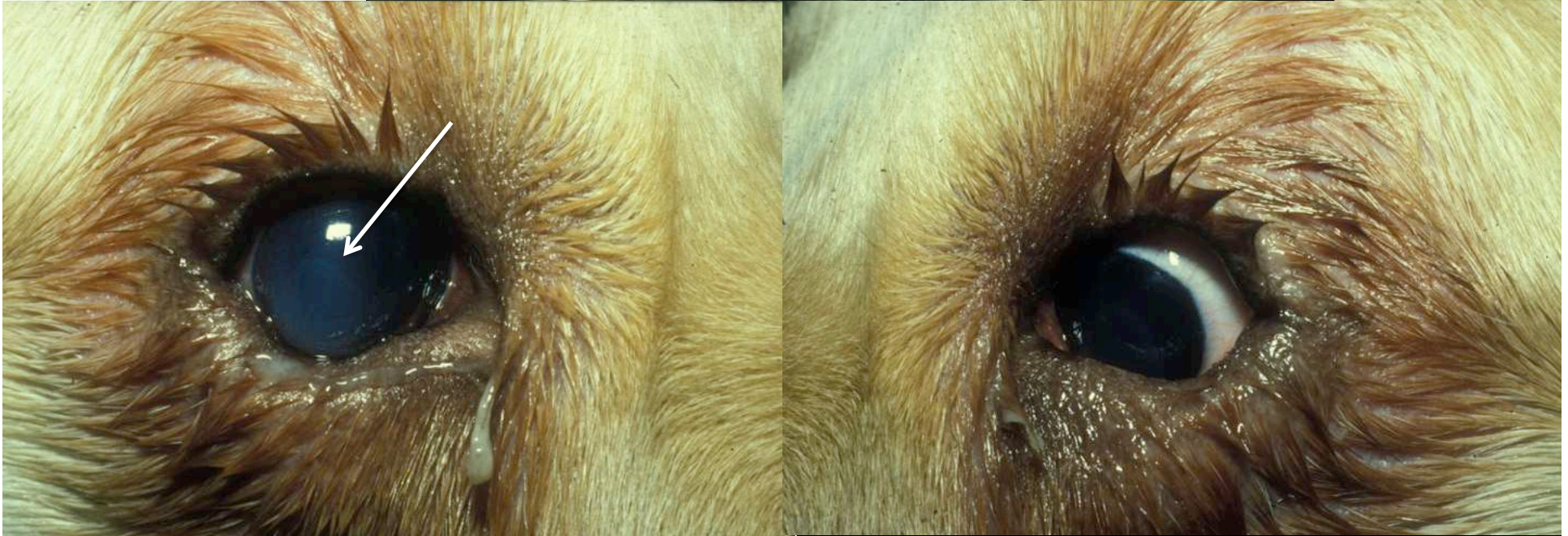


Tacking @ 4-6-8-12 Wochen bei Shar Peis









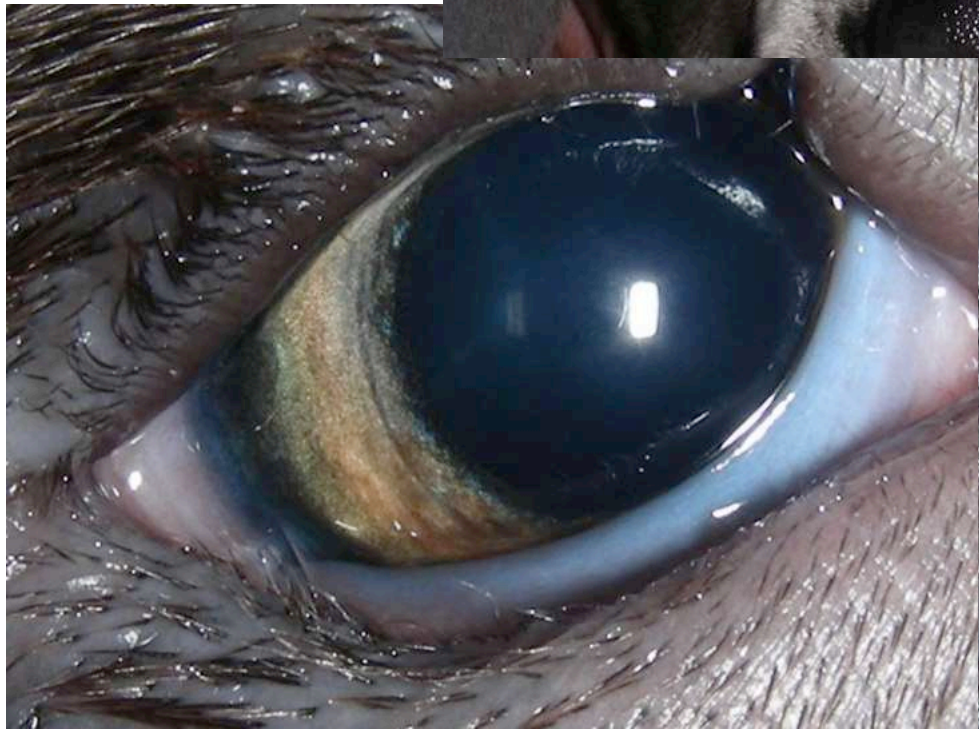








unmittelbar nach Tacking



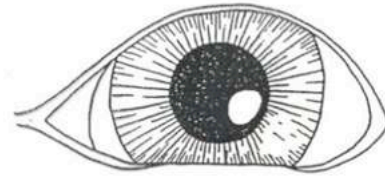




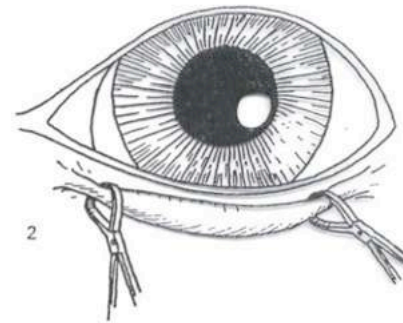
Entropium Korrektur

- Ausmass der Resektion am wachen Tier bestimmen!
- Hotz-Celsius Technik
- idR kombiniert mit Keilexzision temporal
- Resektion eines halbmondförmigen Hautstückes
- Schnittführung parallel zum Lidrand
- Schnitt lidrand nah genau am Übergang unbehaarter zur behaarten Haut
- spannungsfreie, stufenfreie Adaptation

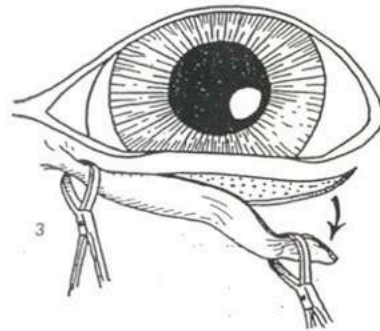
Hotz Celsus



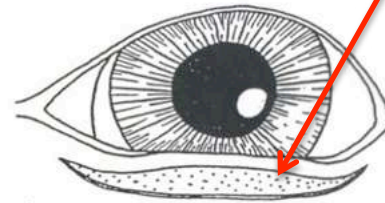
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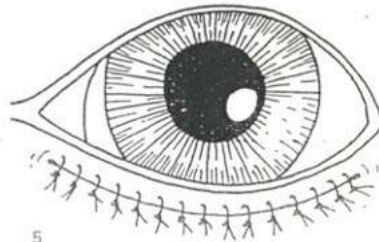
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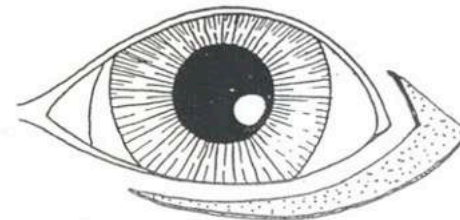
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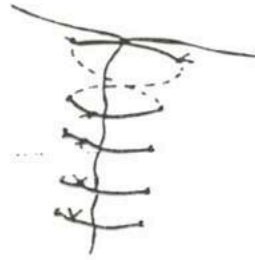
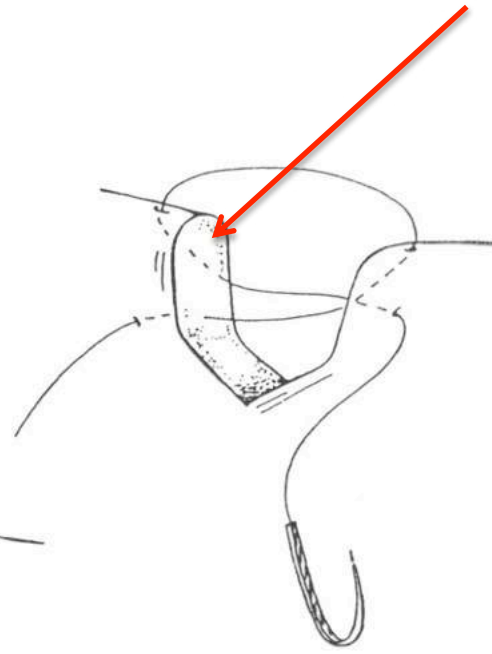
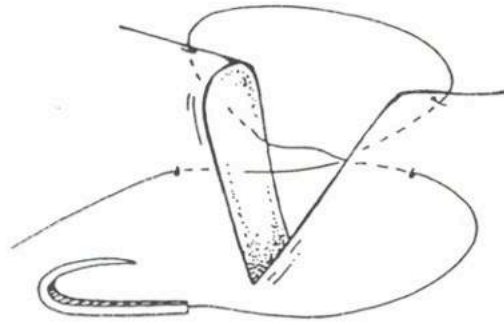
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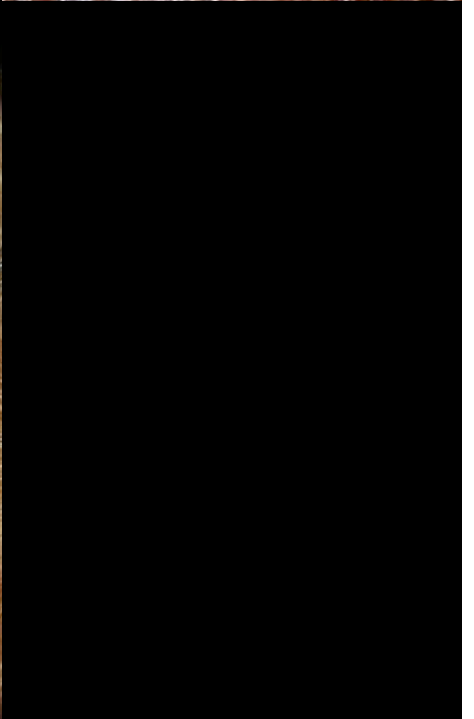
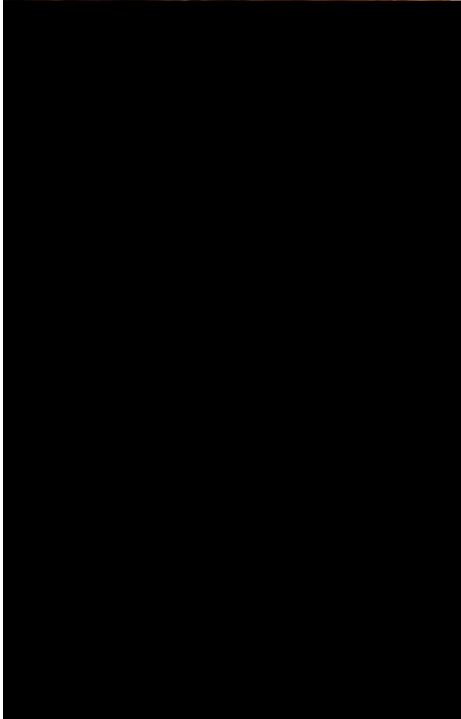
5



6







Nahtmaterial...

- Vicryl® 6-0, Ethilon
- Haut: Vicryl® 6-0, Ethilon, Seide 6-0

Cave: starres, monofiles Nahtmaterial

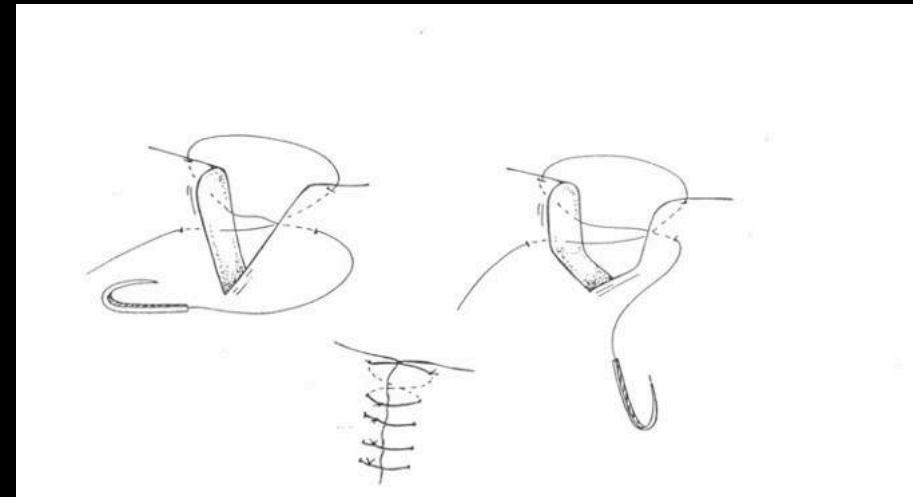
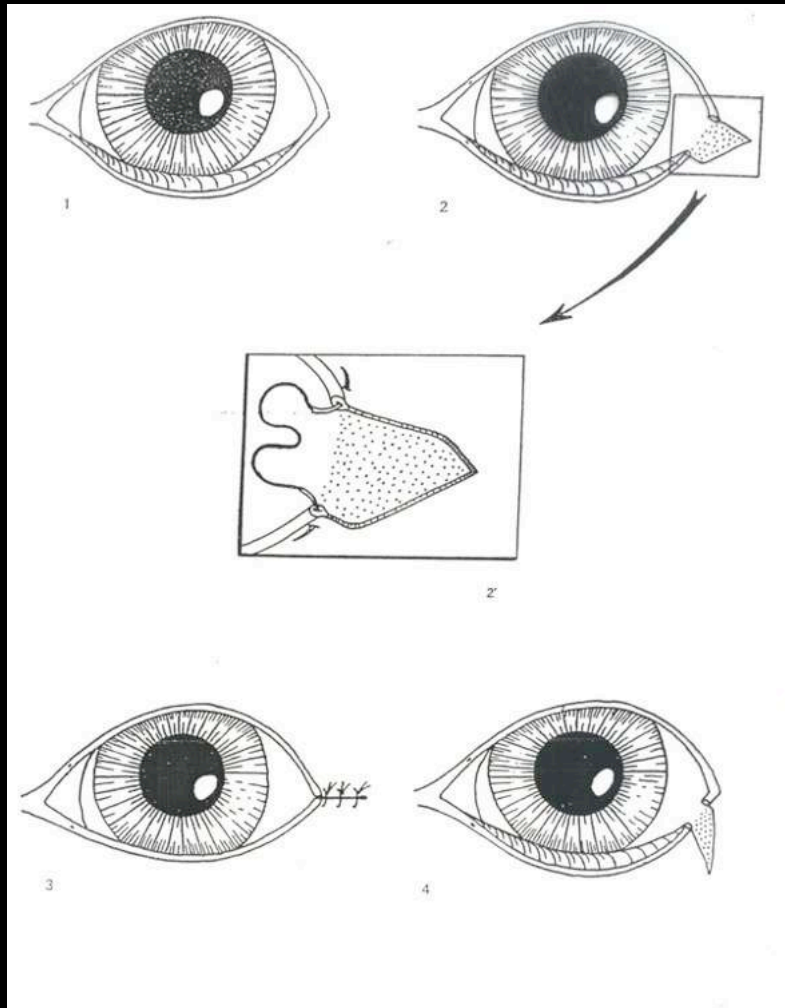


chronische Keratitis >6 Monate nach Lid-OP

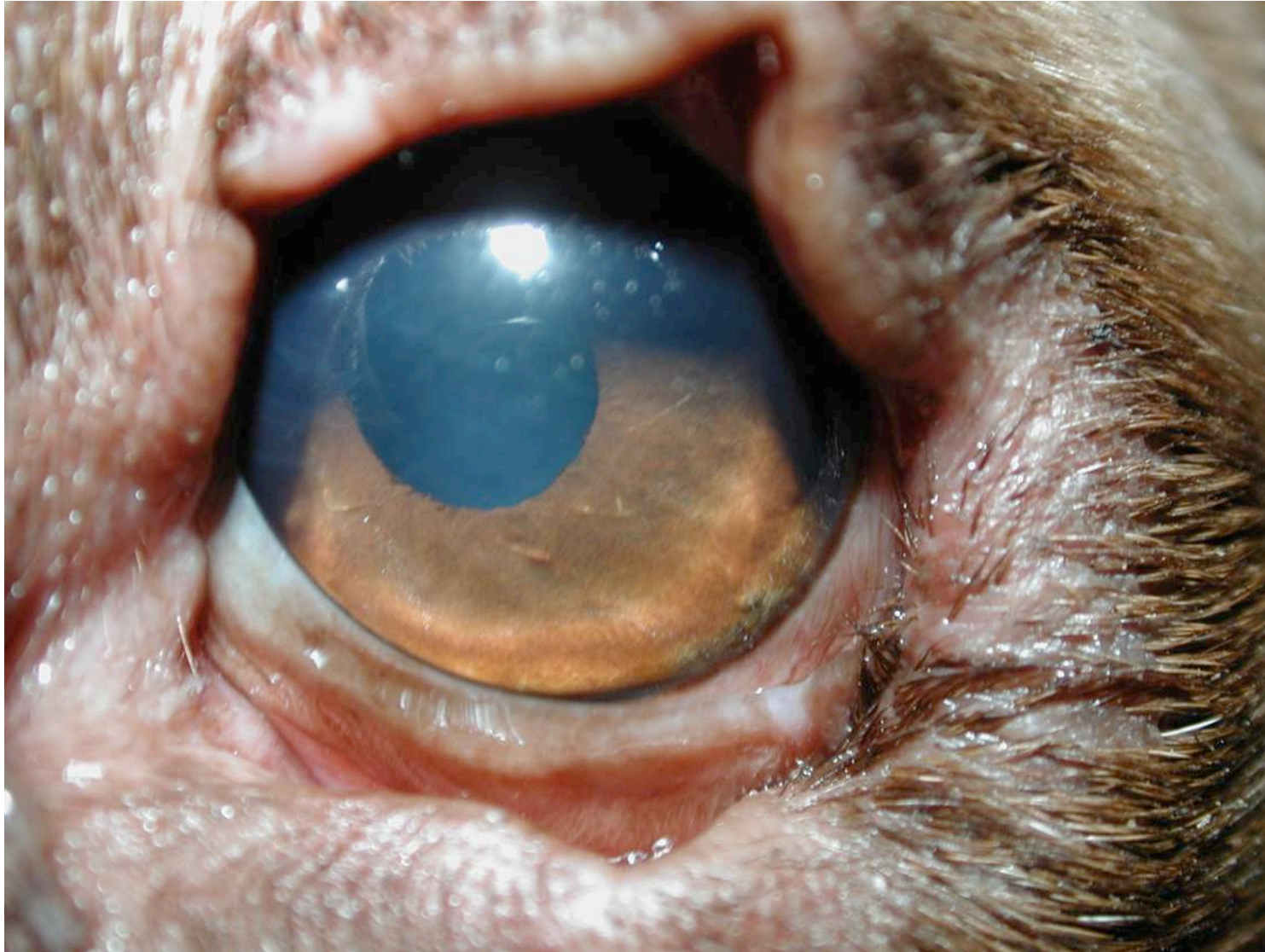




Keilexzision temporal



Makroblepharon



Entropium-Ektropium-Komplex

- häufig bei Riesenrassen
- auch bei Cocker Spaniels
- häufig kombiniert mit Makroblepharon
- „Karoauge“



Entropium-Ektropium-Komplex

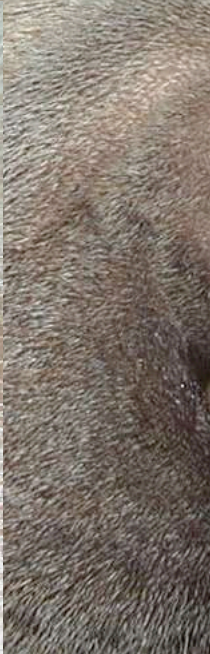
- Therapie: chirurgisch
 - kombinierte Techniken
 - laterale Kanthusplastik
 - ...
 - persönliche Präferenz: “keep it simple...”
 - Unterlid: Hotz Celsus und Keilresektion
 - Oberlid: modifizierte Stades



Oberlidentropium / Trichiasis

Shar Pei, Chow Chow, Riesenrassen
alter Cocker Spaniel, alter Yorki





















Literatur Oberlidentropium – spezielle Techniken

Rhytidectomy

Stirn:

- **Kasa G, Kasa F.** Exzisionsraffung zur Behebung des Entropiums bei Chow-Chow. Tierärztliche Praxis **1979**;7:341-349
- **Stuhr CM, Stanz K, Murphy CJ, McAnulty J.** Stellate rhytidectomy: superior entropion repair in a dog with excessive facial skin. J Am Anim Hosp Assoc. **1997**; 33(4):342-345

Mittellinie:

- **Bedford BCG.** Surgical correction of facial droop in the English cocker spaniel. Journal Small Animal Practise **1990**;31:255-258

Coronal:

- **McCallum P, Welser J.** Coronal rhytidectomy in conjunction with deep plane walking sutures, modified Hotz-Celsus and lateral canthoplasty procedure in a dog with excessive brow droop. JVO **2004**;7(5): 376-379

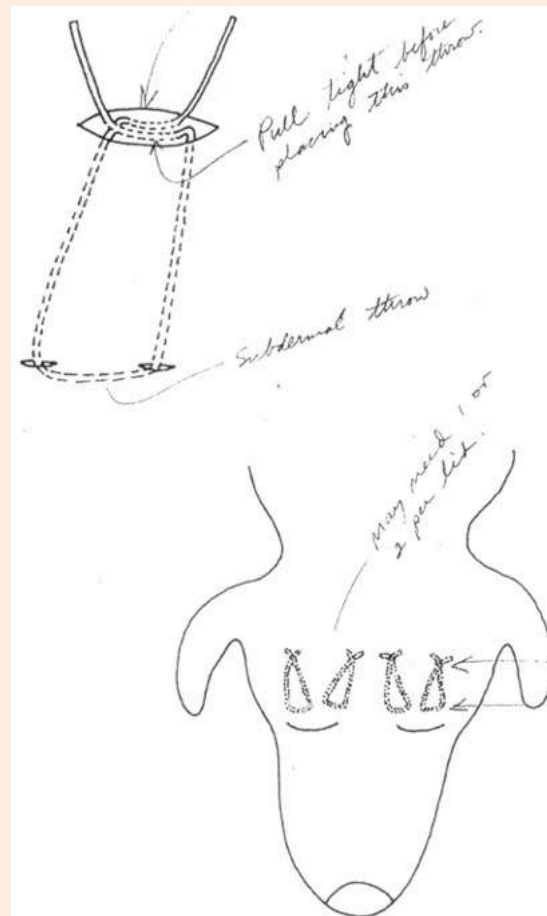
Rhytidectomy



©Heidi Featherstone

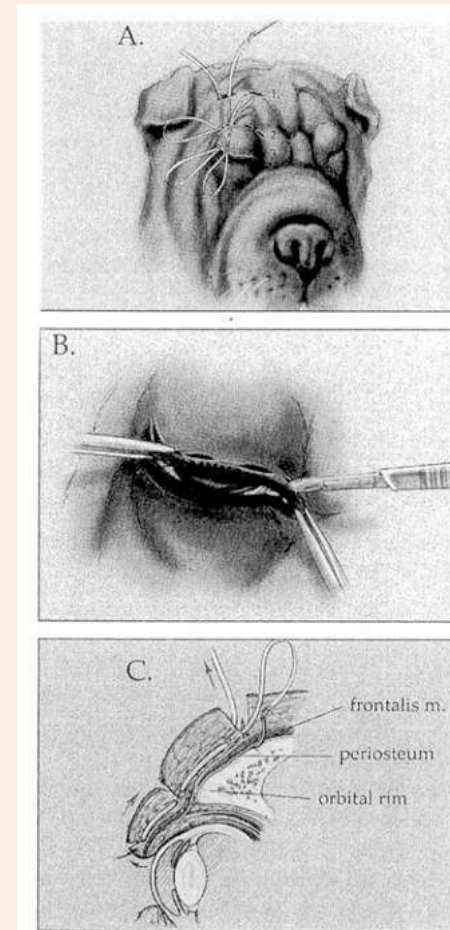
brow suspension Technik I

Kirschner SE. Modified brow sling technique for upper lid entropion. Proc AM ACVO **1994**;68-69



brow suspension Technik II

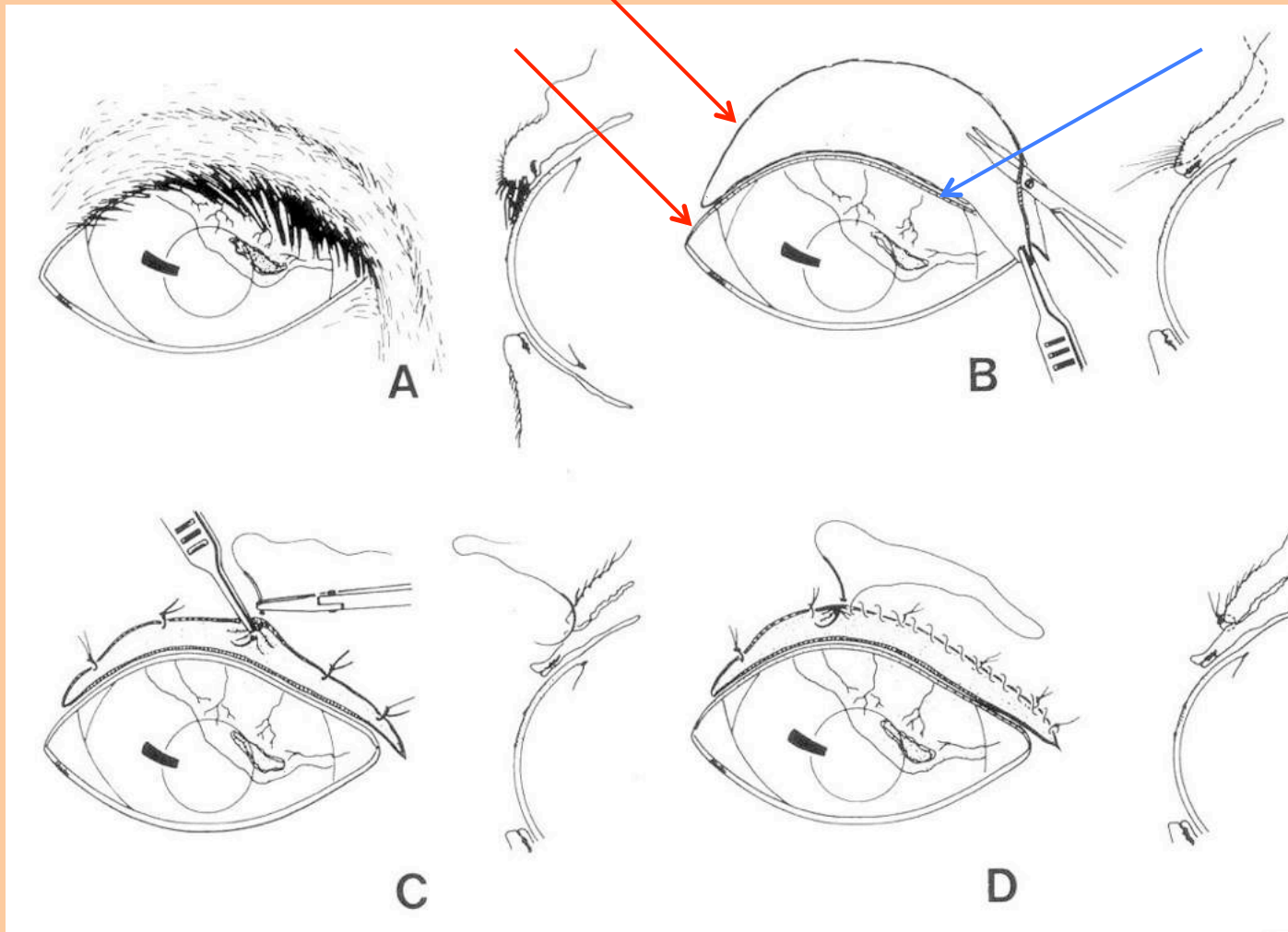
Willis AM, Martin CL, Stiles J, Kirschner SE. Brow suspension for treatment of ptosis and entropion in dogs with redundant facial skin folds. *JAVMA* **1999**; 214, 660-662



bevorzugte Technik

- **Stades FC.** A new method for surgical correction of upper eyelid trichiasis-entropion: operation method. JAAHA **1987**;23:603-606
- **Stades FC, Boevé MH.** A new method for surgical correction of upper eyelid trichiasis-entropion: results and follow-up in 55 eyes. JAAHA **1987**; 23:607-610
- **Allgoewer I.** Evaluation of a slightly modified Stades technique for the correction of upper lid entropion in the Shar Pei. ECVO proc 2011

Stades technique (JAAHA 1987)







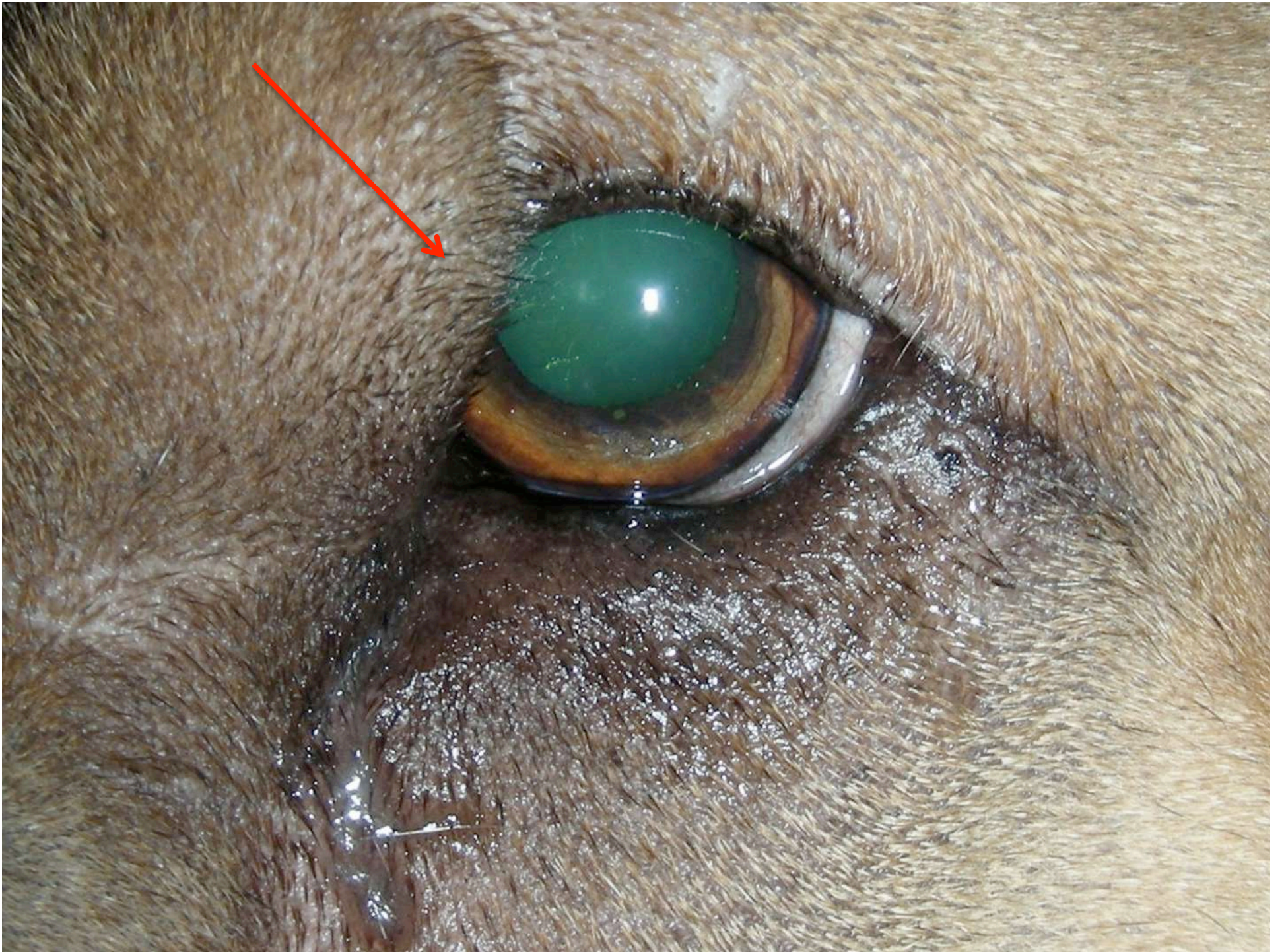




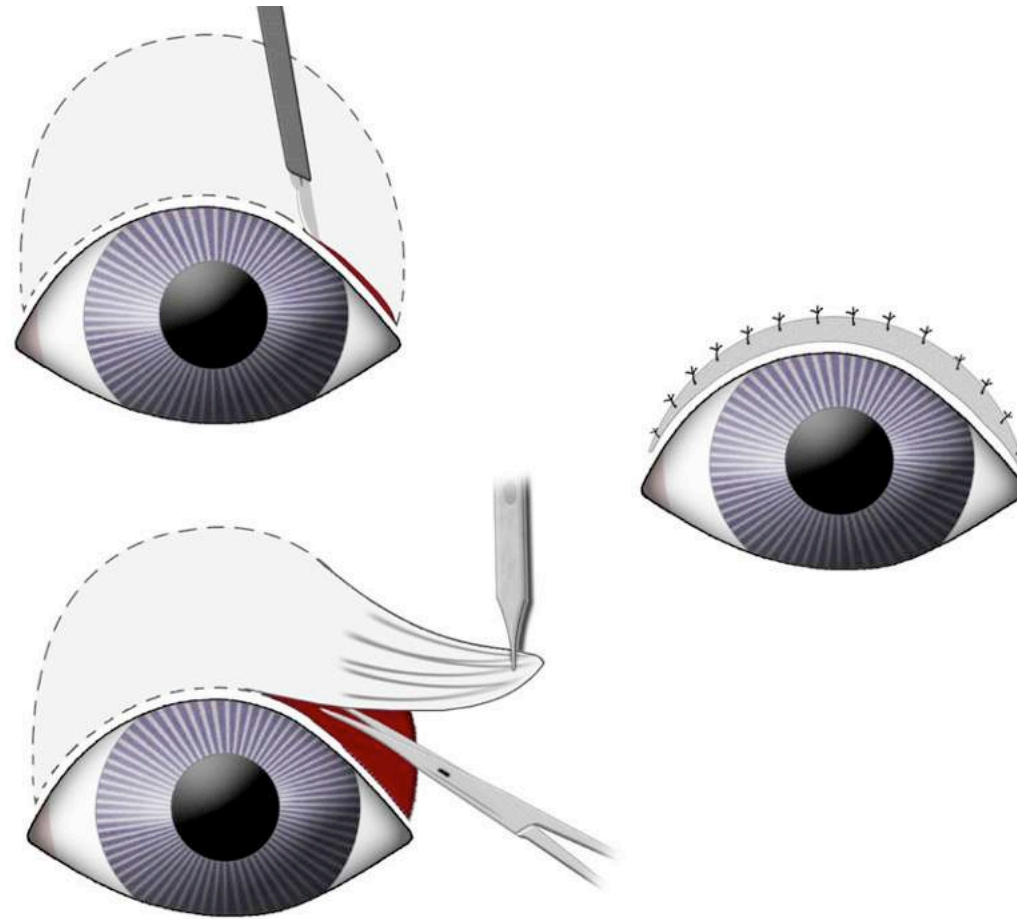




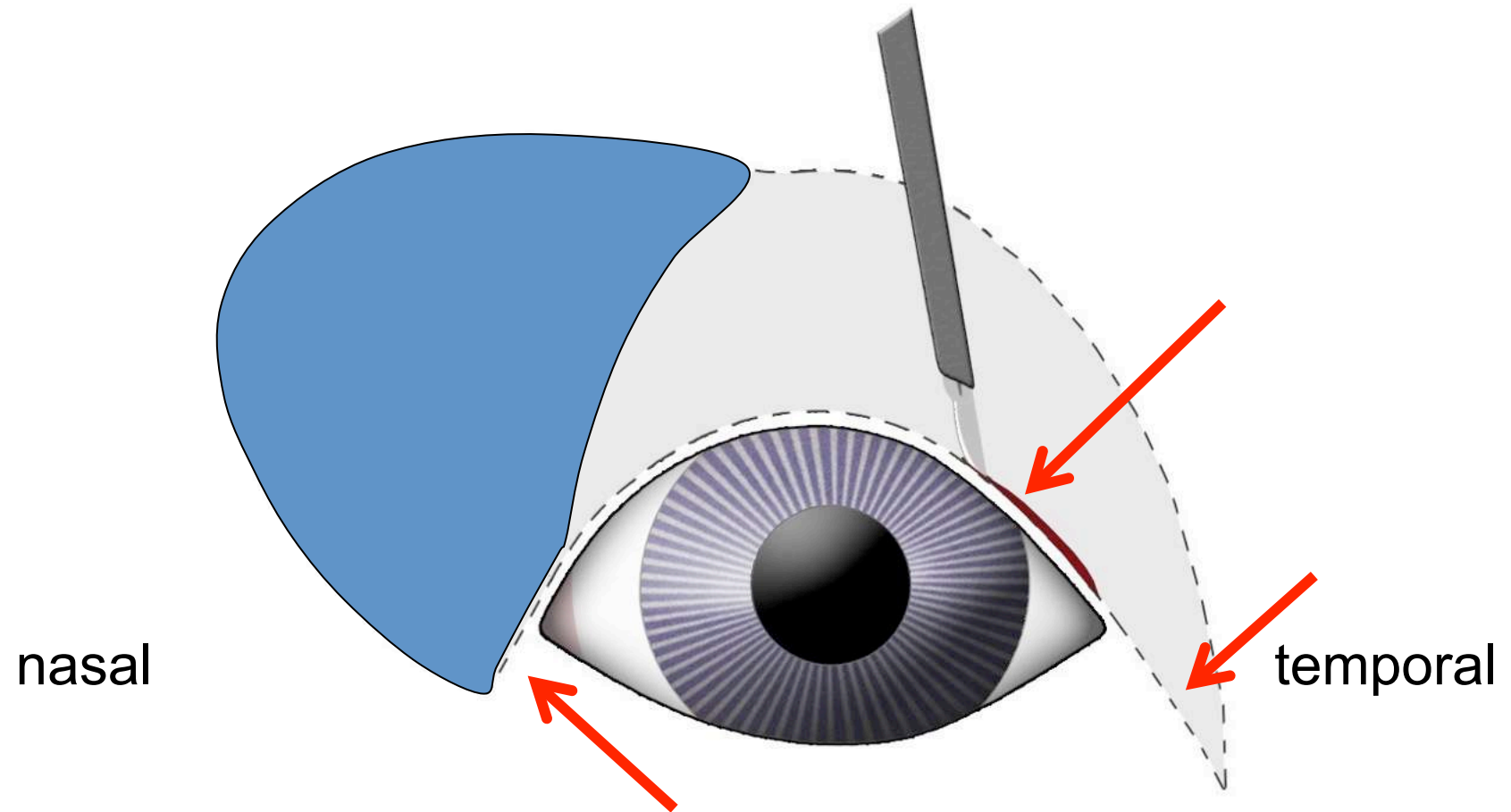
nasal unterkorrigiert – persistierende Trichiasis nasal

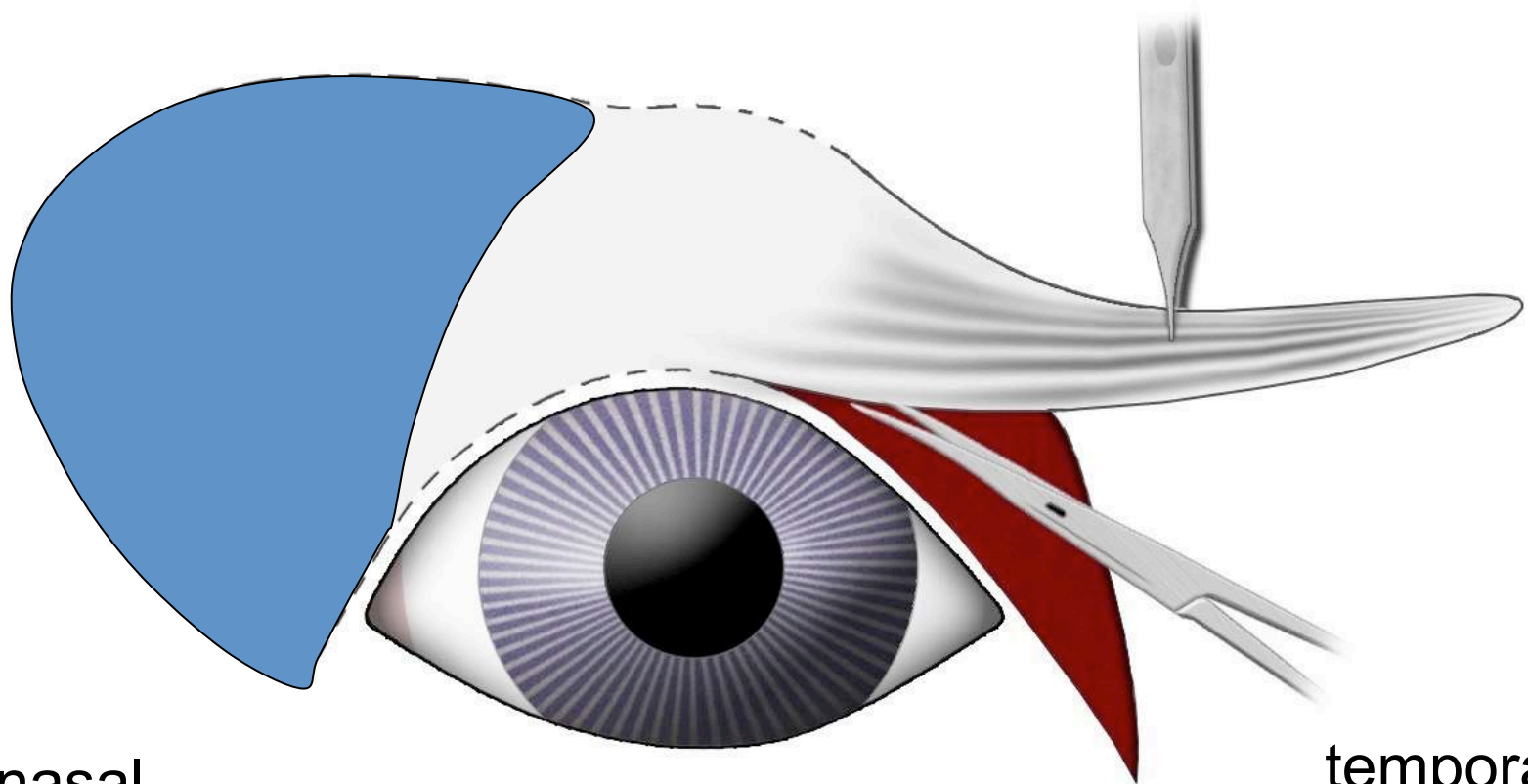


Stades original



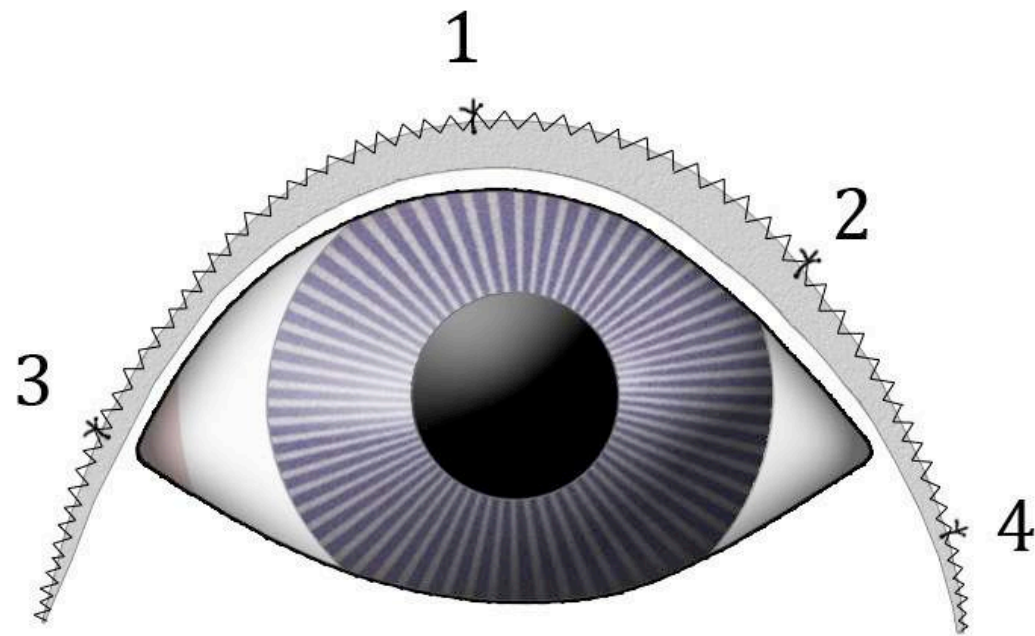
modifizierte Stades Technik





nasal

temporal



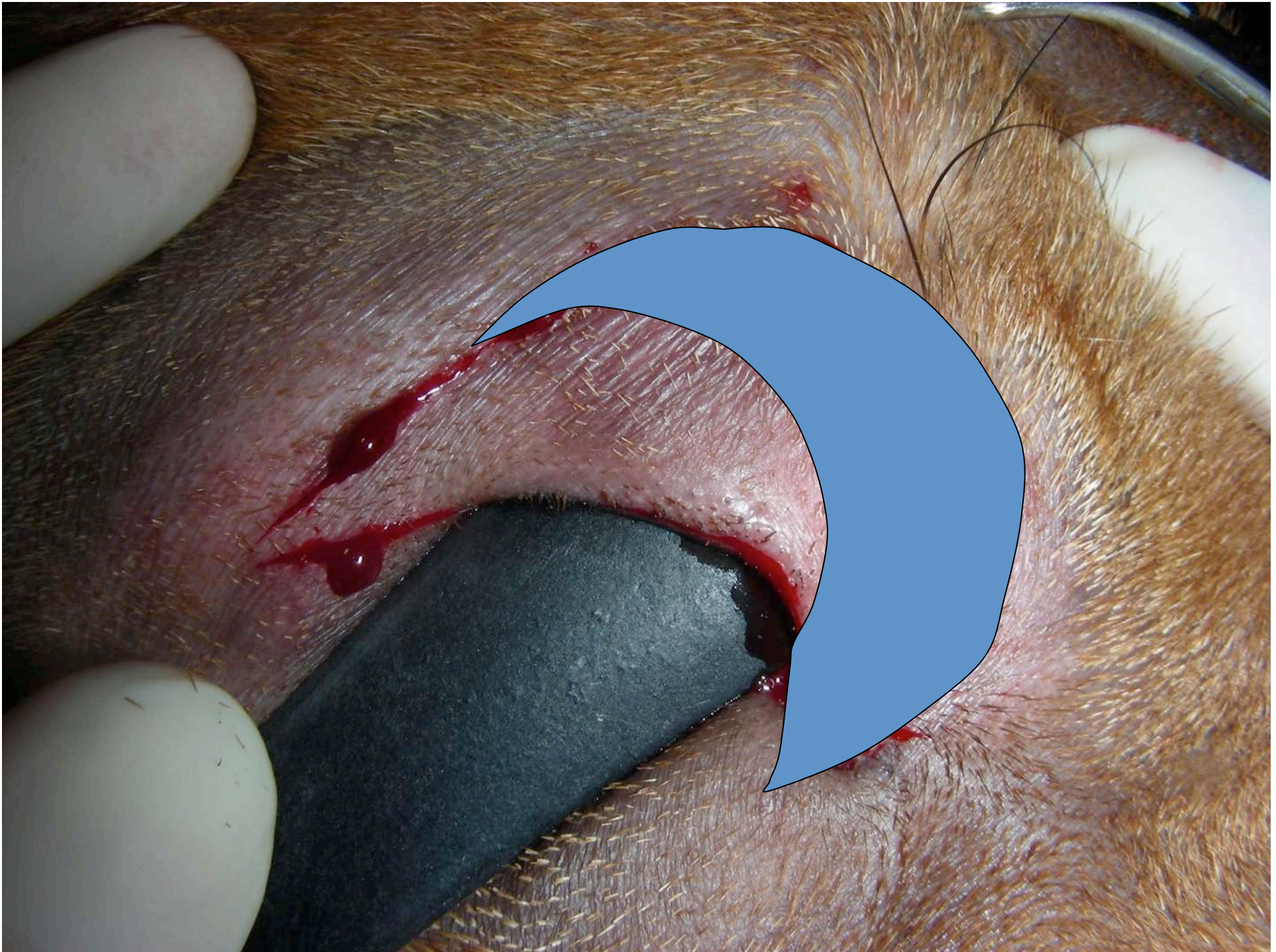
nasal

temporal

Technik

- Lidspatel zur Spreizung des Oberlids
- Steven's Schere
- Vicryl® 6-0 Ethilon
- Halskragen 10 Tage
- 1. Kontrolle 3 Tage pOP –
Wundtoilette - Granulationsgewebe







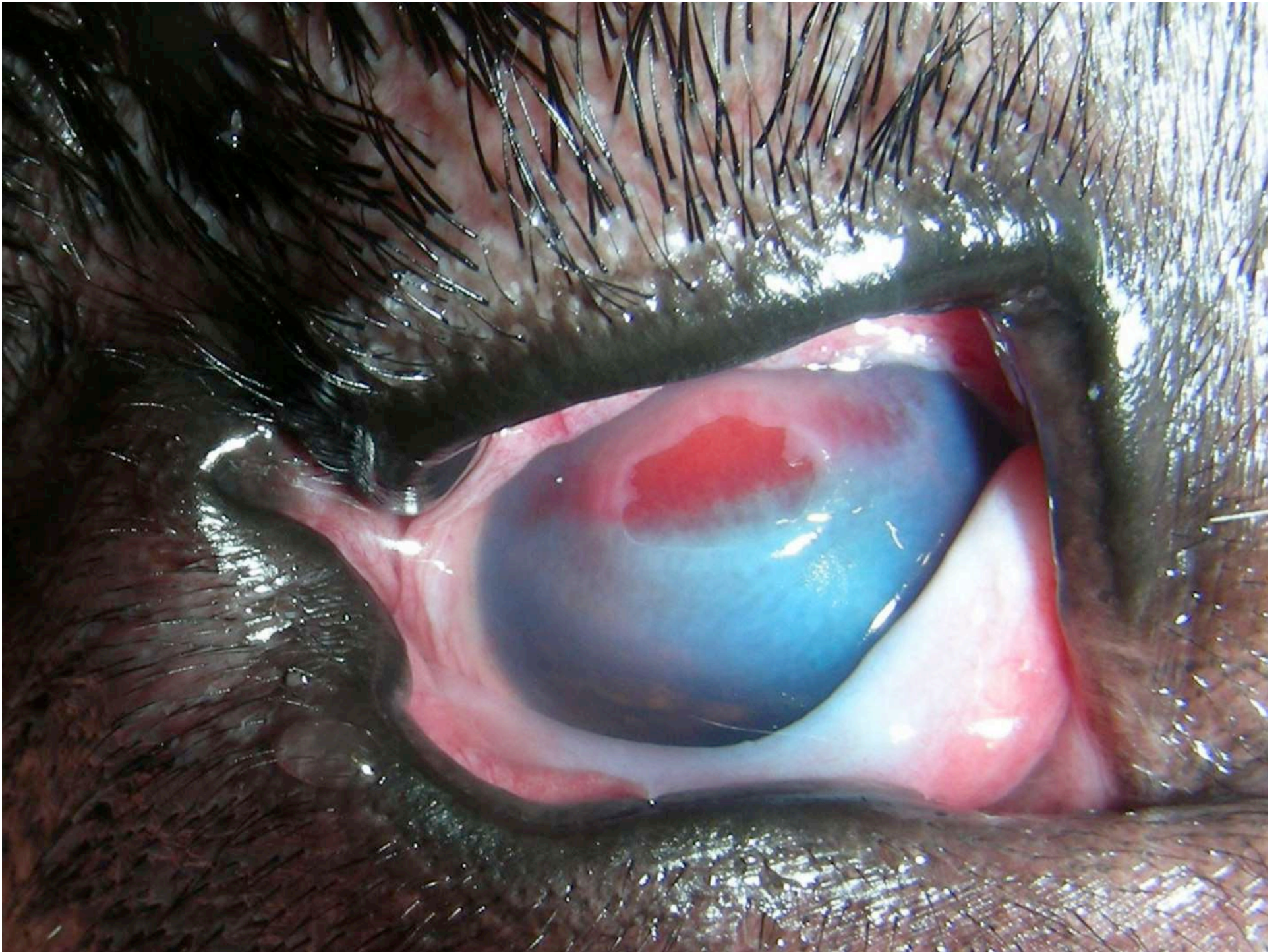


Puppi, 6.5 Monate









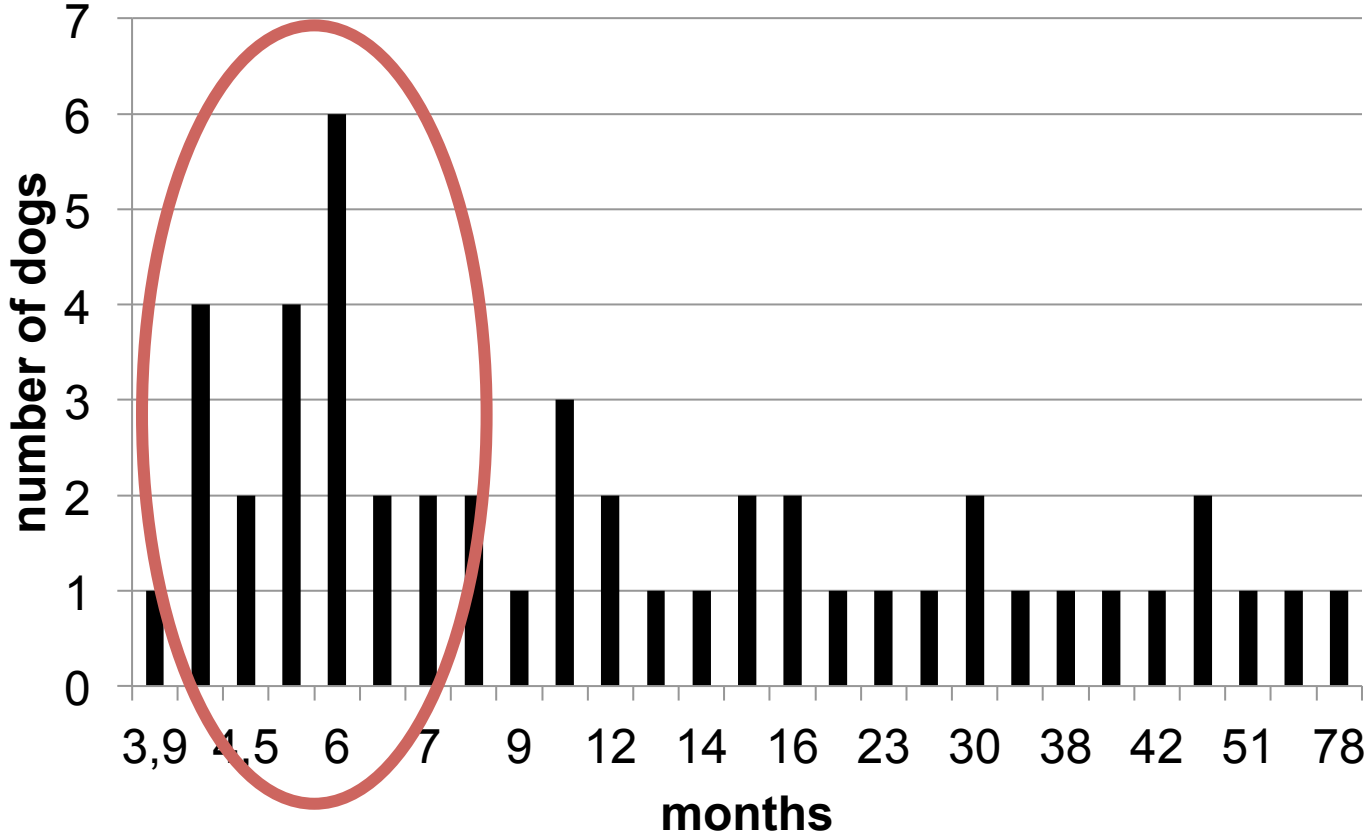






Evaluation of a slightly modified Stades technique for the correction of upper lid entropion in the Shar Pei

Algoewer, ECVO, 2011



Alter bei OP 4-78 months (⊖17.59) – 49 Shar Peis



8 Monate alt, prä-OP

post-OP



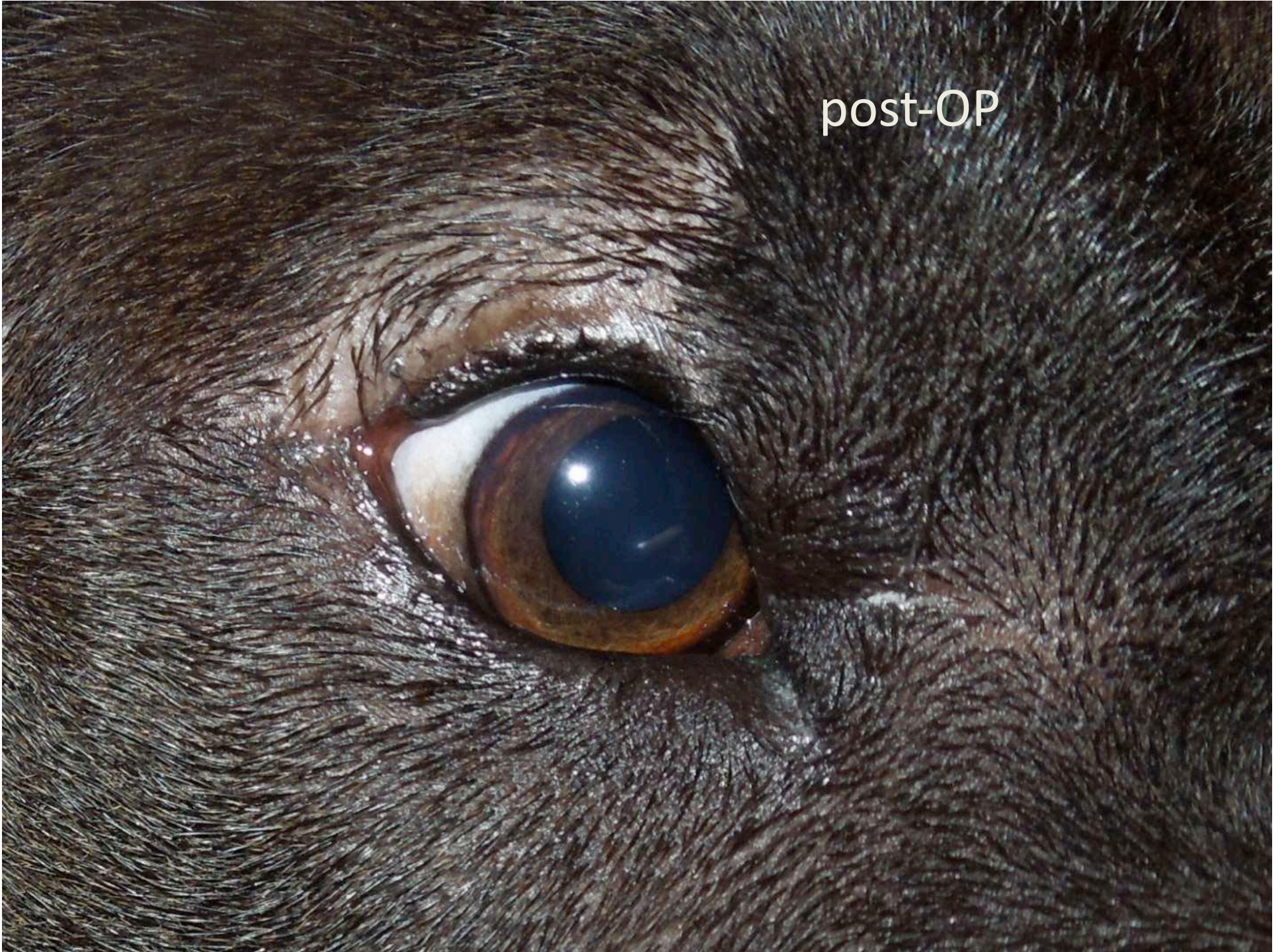
1 J alt , prä OP



post-OP



post-OP



3.5 Jahre alt, prä- OP

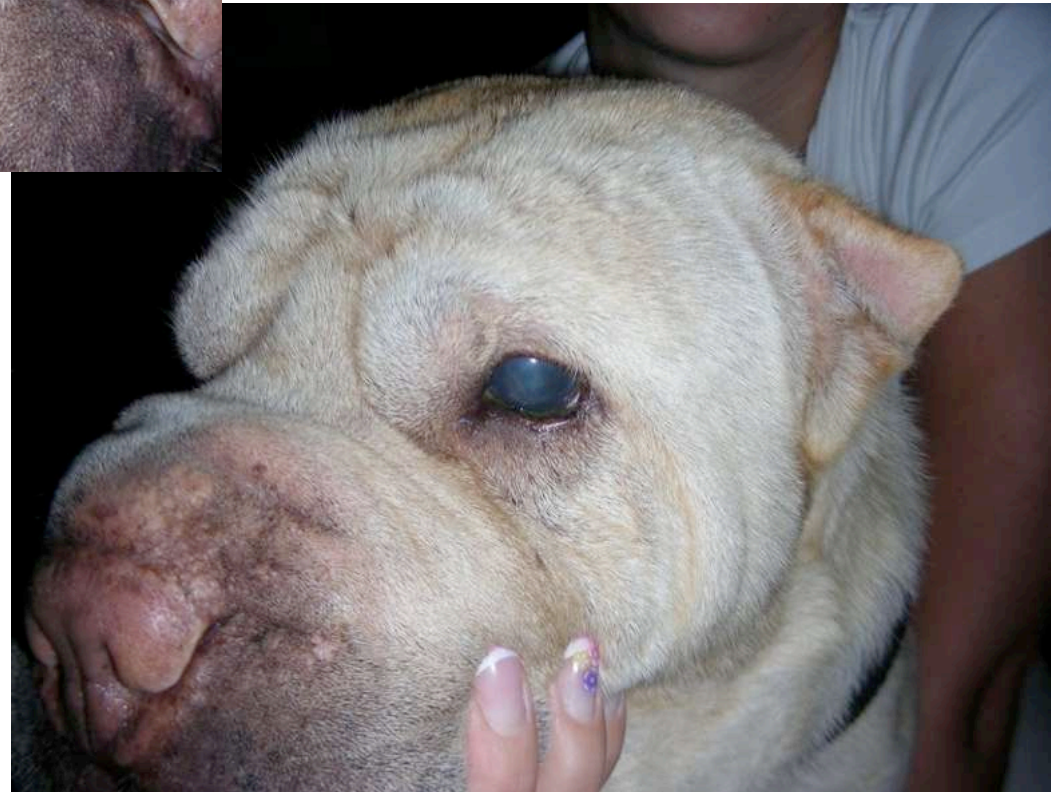




4 Jahre post-OP



7 J pOP
(vorgestellt wg Glaukom OS)



prä-Op



prä-Op





post-Op





modifizierte Stades



präOP



post-OP

Zusammenfassung modifizierte Stades

- gute Prognose
- weniger invasiv als andere OP-Techniken
(brow sling, Rhytidektomie)
- relativ einfache Technik
- Gesichtsausdruck und Falten unverändert
pOP
- Komplikationsrate gering