

AESTHETIC COMPLICATIONS EXPERT GROUP WORLD PROTOCOL FOR THE MANAGEMENT OF VISUAL LOSS SECONDARY TO COSMETIC FILLER INJECTION

PRINCIPAL SIGNS AND SYMPTOMS

Acute Visual Loss/Impairment, Pain, Ocular Muscle Weakness

STOP TREATMENT

Place patient in supine position, speak to local specialist eye unit, transfer via Emergency Ambulance (999), specialist treatment within 60 minutes.

REDUCE INTRAOCULAR PRESSURE

Timolol 0.5% Eye Drops (2 drops into the affected eye)
Rebreathe into a paper bag

PREVENT THROMBUS FORMATION

Aspirin 300mg

DISLODGE EMBOLUS

Prolonged high frequency ocular massage

DISSOLVE HYALURONIC ACID

Administer 450-1500 units of Hyaluronidase in 1ml of saline injected into the supraorbital and supratrochlear foramina

TRANSFER TO SPECIALIST EYE UNIT

Provide treatment record and a copy of ACE Group World Specialist Management Protocol

Reassess patient, look for cerebral involvement, start treatment

REDUCE INTRAOCULAR PRESSURE AND INCREASE RETINAL BLOOD FLOW

Acetazolamide 500mg IV,
Mannitol 20% infusion
(100mls over 30 minutes),
Consider anterior chamber
paracentesis

DISSOLVE HYALURONIC ACID

Transorbital
approach
allows more
direct route to
ophthalmic
circulation

CONSIDER

Judicious use
of antibiotics
Dexamethasone
Prostaglandin
E1
Hyperbaric
Oxygen Therapy

PREVENT FURTHER THROMBUS FORMATION

Enoxaparin SC
or Heparin IV