In a young patient with acute congestive angle closure or recurrent angle closure in the presence of a patent laser iridotomy, the underlying cause is usually plateau iris configuration.

The Science behind the Tip

Plateau iris configuration is characterised by a closed anterior chamber angle in association with a flat iris plane and a relatively deep central anterior chamber. An anterior position of the ciliary processes results in an abnormal configuration of the peripheral iris\(^1\). Plateau iris syndrome describes acute congestive angle closure which occurs with pupillary dilation despite a patent iridotomy.

Patients tend to be young and less hyperopic than those with primary angle closure caused by a relative pupillary block\(^2,3\). However, as there is often an element of pupillary block in patients with plateau iris configuration, a laser iridotomy should be undertaken. If the IOP is uncontrolled, then pilocarpine 1% or laser iridoplasty should be tried\(^4\).

References


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