Siamese phenotype: “a form of Himalayan albinism”

Albinism also affects the optic nerves. In embryonic development, melanin tells growing nerves exactly where to go in the eye...with albinism, there is a shortage (or complete lack) of melanin production, and the directions go astray...As a result, almost all of the optic nerves cross.

The squint is a result of the cat compensating for the crossed optic nerves (the brain adapts). The Siamese cat can see normally with binocular vision.

The cross-eyed Siamese gaze is called “strabismus”. It is not uncommon. The exact cause it poorly explained. I speculate that it is caused by albinism. Siamese kittens are born all-white.