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[\[National Defense Medical \] Tri-Service General Hospital Presents Findings about the Contact Lenses Use in High Altitude Flight](#)

[National Defense Medical ] Tri-Service General Hospital Presents Findings about the Contact Lenses Use in High Altitude Flight ([Chinese Version](#))

Military News Agency (2009/11/29) Tri-Service General Hospital's ophthalmology department says, it has been proved by the novel multifunctional visual quality analyzer that discardable silicone hydrogel hyper oxygen permeable contact lenses can be used in high altitude flight, succeeding in not only vision correction but also stability and comfortability.

The ophthalmology department of Tri-Service General Hospital tells the press that a study regarding the stability and comfortability of contact lenses use in high altitude flight is conducted because keeping the flyer's vision in normal is one basic condition of air force. The study applies a novel multifunctional visual quality analyzer to investigate the impact of the silicone hydrogel hyper oxygen permeable contact lenses to the trainees at Air Force Institute of Technology in the simulated high altitude hypoxia environment, and also to the present ground crew at Song Shan Air Base in the high altitude environment. The result suggests that the contact lenses have good acceptance from the respondents; they feel comfortable wearing the contact lenses during the test and no corneal hypoxia occurs to them, either.

The assessment is to provide suggestions to the contact lenses use in high altitude flight and is presented in this year's Conference of National Defense Medical Studies (trans. temp.).

Reference:

[Military News Agency 2009/11/29](#) (Chinese)

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