

February 2021

Academy Express ฉบับวันที่ 27 February 2021

**[Genetic polymorphisms tied to severe ocular complications in acetaminophen-related SJS/TEN](#)**

The authors investigated the role of genetic polymorphism in 20 Thai patients with acetaminophen-related Steven-Johnson (SJS)/ toxic epidermal necrolysis (TEN). Within the cohort, severe ocular complications were strongly associated with human leucocyte antigen (HLA)-B\*44:03 and moderately association with HLA-A\*33:03 and HLA-C\*07:01. *British Journal of Ophthalmology*,

<https://pubmed.ncbi.nlm.nih.gov/33229345/>

Academy Express ฉบับวันที่ 20 February 2021

**[Vitrectomy provides favorable anatomical success in AIDS patients with retinal detachment](#)**

This analysis evaluates outcomes in 45 patients (52 eyes) with AIDS undergoing vitrectomy for cytomegalovirus retinitis-related retinal detachment. Over a mean follow-up of 42 months, primary anatomical success was achieved in 86% of eyes and 65% had a VA of 20/200 or better. The use of highly active antiretroviral therapy prior to surgery and early vitrectomy increased the probability of achieving both anatomical and VA success. *Medicine (Baltimore)*, October 2020

<https://pubmed.ncbi.nlm.nih.gov/33120835/>

Academy Express ฉบับวันที่ 13 February 2021

**[PFCL use can yield satisfactory retinal reattachment](#)**

A new study describes the outcomes of retinal detachment repair by vitrectomy and perfluorocarbon liquid (PFCL) tamponade. Among 122 study eyes, short- to medium-term PFCL tamponade achieved a high satisfaction rate. Post-operative hypotony was a predictor for unfavorable visual and anatomical outcomes. *BMC Ophthalmology*, September 2020

<https://pubmed.ncbi.nlm.nih.gov/32873279/>

Academy Express ฉบับวันที่ 6 February 2021

**[Characterization of HIV-associated optic neuritis](#)**

These findings suggest CD4 cell counts and viral load may help identify the type of acute optic neuritis (ON) in patients infected with HIV. Among 10 study patients, those with infectious ON had low initial CD4 counts and high viral loads while patients with noninfectious ON had increasing CD4 cell counts and undetectable HIV viral load after antiretroviral therapy. *International Medical Case Reports Journal*, November 2020

<https://pubmed.ncbi.nlm.nih.gov/33204180/>