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Impression cytology on acute viral conjunctivitis

Ferreira N.B. , Cariello A.J. , Barros J.N. , Freitas D. **Purpose:** to demonstrate by impression cytology (IC) the cytological features of conjunctiva on acute viral conjunctivitis. **Material and methods:** Non interventionist transversal masked study involving 30 patients older than 18 years from Cornea and External Eye Disease Division of Federal University of Sao Paulo. On a randomized way, Impression cytology was performed in 15 patients (30 eyes) with clinical diagnosis of acute viral conjunctivitis and in 15 healthy voluntaries (control group). To collected the samples, nitrocellulose filter paper with the pore size of 0,45µm (Millipore HAWP304F0) was cut into strips of 5x7 mm. One drop of 0,5% proparacaine was placed in the inferior conjunctival sac before a nitrocellulose strip was applied to the superior and other to the inferior conjunctival bulbar area. After 5 seconds, the strip was peeled off and the specimen was immediately fixed for 10 minutes in solution previously prepared with 70% ethylic ethanol, 5 ml of glacid acetic acid and 5 ml of 37% formaldeid. All cytological specimens were processed and stained with periodic acid-Schiff-gill's modified papanicolau stain. All impression cytology specimens were obtained by the same doctor and analyzed by other professional trained in this technique in a masked way. The results are under statistical analyse. **Results:** in progress.

Conclusions: in progress.