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Comment on "Role of corneal collagen fibrils in corneal disorders and related pathological conditions"

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Dear Editor,

We read with interest the review article "Role of corneal collagen fibrils in corneal disorders and related pathological conditions" by Zhou *et al*[1]. We would like to point out the mistake that is made in the parts of the article.

In the "CORNEAL COLLAGEN DEGRADATION" section, the authors reviewed the process and factors that influence the corneal collagen and extra cellular matrix. In this section, keratinocyte was introduced as a source of myofibroblast which have a critical role in the corneal stroma wound healing process. Production of metrix metalloproteinase 1 by keratinocyte is indicated and emphasized that this process is mediated by interleukin-1 (IL-1), plasminogen, and urinary plasminogen activator (uPA). They referred this statements to Sougioca *et al*[2] and Zhou and Petroll[3]. With regard to these studies and several others it is noticeable that the corneal stromal cells are "keratocytes" not "keratinocytes". The role of keratocyte in stromal function and corneal repair is approved and reviewed in West-Mays and Dwivedi[4] and Petroll and Miron-Mendoza[5].

Although keratinocytes are present in other part of ocular surface such as conjunctiva and limbus[6-7], but presence and function of this type of cells in corneal stroma is not reported. So, "keratinocyte" in mentioned section as well as "CORNEAL COLLAGEN CONTRACTION" section should be changed to "keratocyte".

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