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| --- | --- | --- | --- | --- | --- |
| Author | Study Type | Sample size | Ocular manifestations | PCR Results | |
| NPs/Sputum | Ocular (%) |
| *Xia et al* | Prospective interventional case series | 30 Confirmed NCP patients | Conjunctivitis in 1 patient | 30 | 1 (3.3) |
| *Wu et al* | Observational case-series | 38 Clinically confirmed COVID-19 patients | Conjunctivitis in 10 patients. Epihora and secretion in 2 patients  Total= 12 | 28 | 2 (5.2) |
| *Yu Jun et al* | Prospective observational | 17 COVID-19 patients | Conjunctivitis in 1 patient | 17 | None |
| *Xu et al* | Retrospective cross-sectional | 30  (15 confirmed and 15 suspected cases) | 1 patient with eye itching | 15 | None |
| *Chen et al* | Cross-sectional prospective | 534 COVID-19 cases | 25 patients with conjunctivitis and other associated symptoms of Itching 53 (9.9),  Tearing 55 (10.3), secretion 52, (9.7),  FB sensation 63 (11.8)  , dry eye 103 (19.8 ) | 371 | Not done |
| *Xie et al* | Retrospective case-series | 33 COVID-19 patients | NR | 33 | 2 (6) |
| *Sun et al* | Cross-sectional | 102 COVID-19 patients | Conjunctivits in 2 patients with tearing | 72 | 1 (1) |
| *Zhou et al* | Retrospective cohort | 67  (63 laboratory confirmed and 4 suspected cases) | Conjunctivitis in 1 patient with tearing and itching | 63 | 3 (4.5) |
| *Deng et al* | Cross-sectional observational | 114 COVID-19 pneumonia | NR | 90 | None |
| *Yan et al* | Cross-sectional case series | 35 Confirmed cases | NR | 19 | 3 (8.5) |
| *Hong et al* | Observational  Questionnaire-based | 56 recovered discharged COVID-19 patients | Conjunctivitis in 2 patients with pain and FB sensation,  13 patients with symptoms of Secretion (2) , dry eyes (5), itching (3), floaters(1), FB sensation (2)  Total= 15 | 56 | 1 (1.8) |
| *Zhou et al* | Cross-sectional observational | 121 confirmed COVID-19 patients | Conjunctivitis in 3 patients and 5 patients with symptoms of redness, discharge and FB sensation  Total=8 | 121 | 3 (2.5) |
| *Liang & Wu* | Observational | 37 COVID-19 cases | Conjunctivitis in 3 patients | 37 | 1 (2.7) |
| *Karimi et al* | Prospective interventional case series | 43 Severe COVID-19 cases | Conjunctivitis in 1 patient and 1 patient with FB sensation | 30 | 3 (7) |
| *Bostanci Ceran & Ozates* | Cross-sectional | 93 confirmed COVID-19 cases | Conjunctivitis in 20 patients | 93 | Not done |
| *Termini et al.* | Prospective Observational case-series | 27 | Conjunctivitis in 4 patients | 27 | 3 (11) |
| *Güemes-Villahoz et al.* | Cross-sectional case-series | 36 | Conjunctivitis in 18 patients | 36 | 2 (5.5) |
| *Atum et al* | Prospective interventional case series | 40 | Conjunctivitis in 10 patients | 40 | 3 (7.5) |

Table 1: Summary of anterior segment manifestations and ocular and nasopharyngeal samples (NPs) positivity rate in COVID-19 patients.