Dear friends. This regular-fundus-validation.7z file contains two types of files: fundus images and label CSV file.

There are 400 regular fundus images from 100 patients.

CSV file label:

|  |  |  |  |
| --- | --- | --- | --- |
| Num | Label | Level |  |
| 1 | patient\_id |  | Patients with the serial number. |
| 2 | image\_id |  | Image sequence number. |
| 3 | image\_path |  | Local path of fundus image. |
| 4 | Overall quality | 0 | Quality is not good enough for the diagnosis of retinal diseases |
| 5 | 1 | Quality is good enough for the diagnosis of retinal diseases |
| 6 | Artifact | 0 | Do not contain artifacts |
| 7 | 1 | Outside the aortic arch with range less than 1/4 of the image |
| 8 | 4 | Do not affect the macular area with scope less than 1/4 |
| 9 | 6 | Cover more than 1/4, less than 1/2 of the image |
| 10 | 8 | Cover more than 1/2 without fully cover the posterior pole |
| 11 | 10 | Cover the entire posterior pole |
| 12 | Clarity | 1 | Only Level 1 vascular arch can be identified |
| 13 | 4 | Can identify Level 2 vascular arch and a small number of lesions |
| 14 | 6 | Can identify Level 3 vascular arch and some lesions |
| 15 | 8 | Can identify Level 3 vascular arch and most lesions |
| 16 | 10 | Can identify Level 3 vascular arch and all lesions |
| 17 | Field definition | 1 | Do not include the optic disc and macular |
| 18 | 4 | Only contain either optic disc or macula |
| 19 | 6 | Contain both optic disc and macula |
| 20 | 8 | The optic disc and macula are within 2PD of the center |
| 21 | 10 | The optic disc and macula are within 1PD of the center |
| 22 | left\_eye\_DR\_Level | 0 | No apparent retinopathy |
| 23 | 1 | Mild – NPDR |
| 24 | 2 | Moderate – NPDR |
| 25 | 3 | Severe – NPDR |
| 26 | 4 | PDR |
| 27 | 5 | Image quality is low and cannot be diagnosed and graded. |
| 28 | right\_eye\_DR\_Level | 0 | No apparent retinopathy |
| 29 | 1 | Mild – NPDR |
| 30 | 2 | Moderate – NPDR |
| 31 | 3 | Severe – NPDR |
| 32 | 4 | PDR |
| 33 | 5 | Image quality is low and cannot be diagnosed and graded. |
| 34 | patient\_DR\_Level | 0 | No apparent retinopathy |
| 35 | 1 | Mild – NPDR |
| 36 | 2 | Moderate – NPDR |
| 37 | 3 | Severe – NPDR |
| 38 | 4 | PDR |
| 39 | 5 | Both eye fundus images quality is low and cannot be diagnosed and graded. |

For more details, please visit the competition website：https://isbi.deepdr.org

If you have any questions about the data or the competition, please contact us: isbi2020@deepdrdoc.com