Certification of Technology Application

This is to certify that:

In the development of our "**Intelligent Diagnostic System for Ophthalmic Imaging Based on Fundus Analysis**," our company has adopted the following academic research outcomes:

[1] Along He, Tao Li, Ning Li, Kai Wang, and Huazhu Fu, "**CABNet: Category Attention Block for Imbalanced Diabetic Retinopathy Grading**," *IEEE Transactions on Medical Imaging*, vol. 40, no. 1, pp. 143-153, 2021. DOI: 10.1109/TMI.2020.3023463

[2] Along He, Kai Wang, Tao Li, Chengkun Du, Shuang Xia, and Huazhu Fu, "**H2Former: An Efficient Hierarchical Hybrid Transformer for Medical Image Segmentation**," *IEEE Transactions on Medical Imaging*, vol. 42, no. 9, pp. 2763-2775, 2023. DOI: 10.1109/TMI.2023.3264513

The research outcomes have been integrated into our ophthalmic imaging intelligent diagnostic system. The system has been deployed in clinical settings to assist ophthalmologists in early screening and diagnosis of fundus lesions, grading of lesion severity, and quantitative assessment of treatment efficacy. Clinical validation has demonstrated that the application of this system significantly improves diagnostic accuracy and workflow efficiency, providing effective technical support for early detection and treatment of fundus diseases.

This product has obtained the Class II Medical Device Registration Certificate from the National Medical Products Administration (NMPA) of China (Tianjin Medical Device Registration Approval Number: 20252210145). The technology transfer and commercialization value amounts to approximately RMB 1,000,000.00.

This certificate is hereby issued for verification purposes.

Certifying Organization: 天海君康（天津）科技有限公司 (Tianhai Junkang (Tianjin) Technology Co., Ltd.)

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Contact: 022-23671851

Authorized Signature:

Official Seal:

Date: December 15, 2025