ADCIS

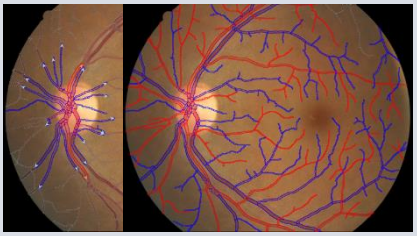
A FULL RANGE OF
SOFTWARE PRODUCTS FOR
OPHTHALMOLOGY APPLICATIONS

Company Profile

Since its inception in 1995, **ADCIS** (**A**dvanced **C**oncepts in **I**maging **S**oftware) has been developing and marketing innovative and high-performance computer vision software products. Its flagship product is the **Aphelion Imaging Software Suite**, widely used by companies and laboratories worldwide to develop advanced software applications in several domains, among which ophthalmology and other medical markets. ADCIS has very close relationships with prestigious research teams that bring their expertise in the fields of Image Processing, Statistical Analysis, and Deep Learning to the Aphelion Software Suite and the ADCIS engineering team.

Partnerships in the field of Ophthalmology

ADCIS is continuously developing **innovative software applications for retinal analysis in partnership with prestigious research laboratories** including the Center of Mathematical Morphology of Mines ParisTech, Lariboisière Hospital in Paris, the ophthalmology department of Creteil Hospital, University of Iowa, LaTIM (Telecom Bretagne/Brest University Hospital Center/UBO). ADCIS is also developing applications in close relationship with pharmaceutical companies including Alcon Laboratories, Allergan, Novartis, and Pfizer. For most of the projects with large pharmaceutical companies, ADCIS jointly worked with investigation sites and CROs.



ADCIS Expertise

ADCIS also performs custom engineering work on request for small to large companies. The ADCIS development team is made up of high-level engineers and PhDs, all experts in the fields of Image Processing and Analysis, and two of them specialized in the ophthalmology domain. Engineers' expertise brings to ADCIS customers a broad range of new technologies that help to quickly deploy advanced and powerful applications or turn-key systems.

They have put their trust in ADCIS:

Advanced Vision Technologies

Alcon Laboratories

Allergan

Créteil Hospital

EyePrint

Novartis

Pfizer

Sentinel Diagnostic Inst.

University of Iowa

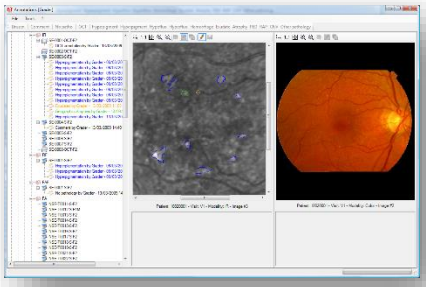
Further information, contact us by phone:
+33 231 062 300

Or visit:
www.adcis.net

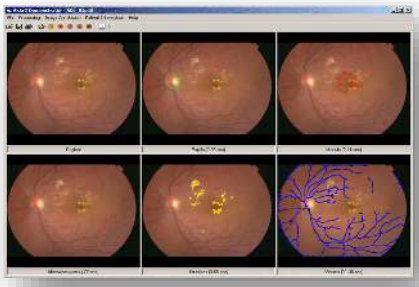
ADCIS involvement in the field of Ophthalmology

- Software applications to detect vessel network, macula, optic nerve, micro-aneurisms, and other lesions in the fields of **diabetic retinopathy, and aged-related macula degeneration**;
- Software applications on secure network for telediagnosis;
- Software products to automatically register retinal images captured in different modalities by different acquisition systems or HRA systems;
- Software applications to let expert users annotating retinal images including lesions, sharing expertise with software developers, and displaying pathologies;
- Software applications to analyze confocal images of the cornea and to evaluate the **lid wiper epitheliopathy of the palpebral conjunctiva**.

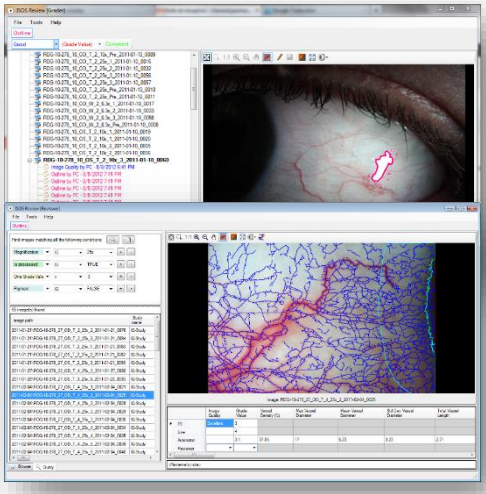
Ophthalmology applications developed by ADCIS



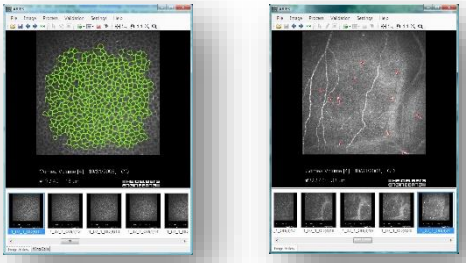
Diabetic retinopathy: Automatic classification of color fundus images between healthy patients and patients to be seen by an ophthalmologist in the course of a mass screening.



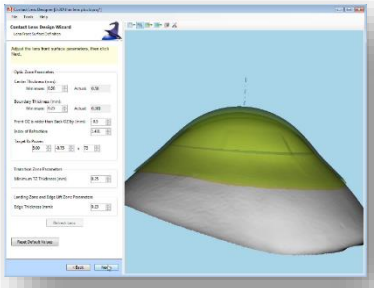
Aged-related macula degeneration: Detection of retinal lesions in images captured in different modalities by multiple systems.



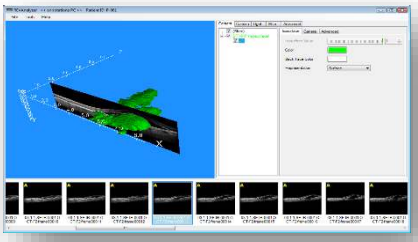
ISOS: Imaging software system to automatically assess conjunctival hyperemia.



ARIES: Automatic detection and analysis of cornea cells and nerves in images acquired by a confocal microscope.



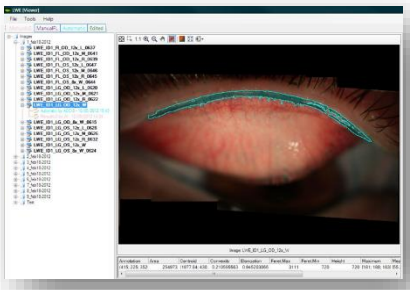
EyePrint: Software application to model and manufacture rigid contact lenses for patients with major cornea lesions.



Rev Analyzer: Automatic quantization of the volume of major retinal pigment epithelium detachments.

And also:

- Anterior Segment Analysis;
- Drusen Classification and Analysis;
- Vessel Network Detection in color fundus retinal images.



LWE (Lid Wiper Epitheliopathy): Objective assessment of the lid wiper epitheliopathy of the palpebral conjunctiva.

ADCIS S.A. – 3, rue Martin Luther King – 14280 Saint-Contest – France
Phone: +33 231 062 300 – http:\\www.adcis.net