idra

Plataforma Dedicada à Síndrome do Olho Seco

Análise de todas as camadas do filme lacrimal (lipídica, Aquosa e Mucina) e Glândulas de Meibômio

- Exames completos
- Avaliação completa

We design MADE IN ITALY and manifacture

Novembro 2023
ver. 2 - 2023

Exames

15 segundos

4 resultados automáticos com uma única aquisição de 15 segundos por olho

Espessura de menisco
Interferometria
NIBUT
Avaliação do piscar

Scan the QR code for

Watch the Fast Wizard video

Consult the Clinical study

Download the IDRA Atlas

SBM Sistemi

Plataforma dedicada à avaliação do olho seco, fornece exames completos de acordo com a recomendação da TFOS DEWS II

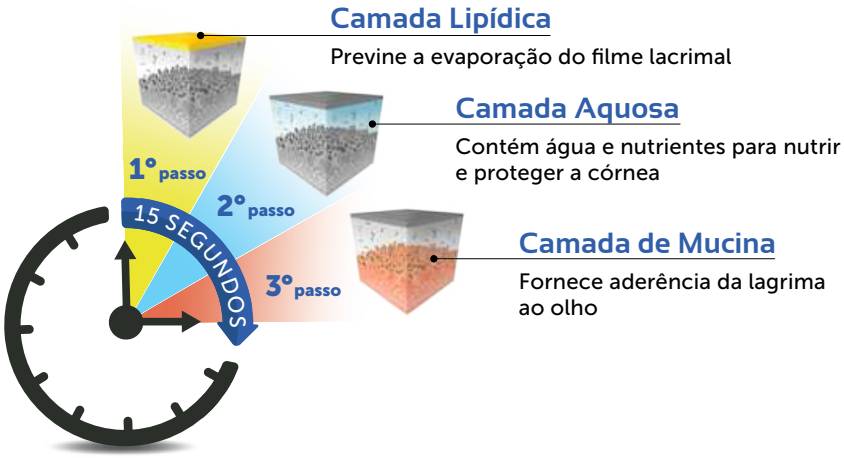
Ocular Surface Analysis – Dry Eye Suite

The fastest and most complete Dry Eye suite

Os equipamentos da SBM são novos instrumentos de análise individual do filme lacrimal, que permitem uma completa análise detalhada da estrutura e composição da lágrima.

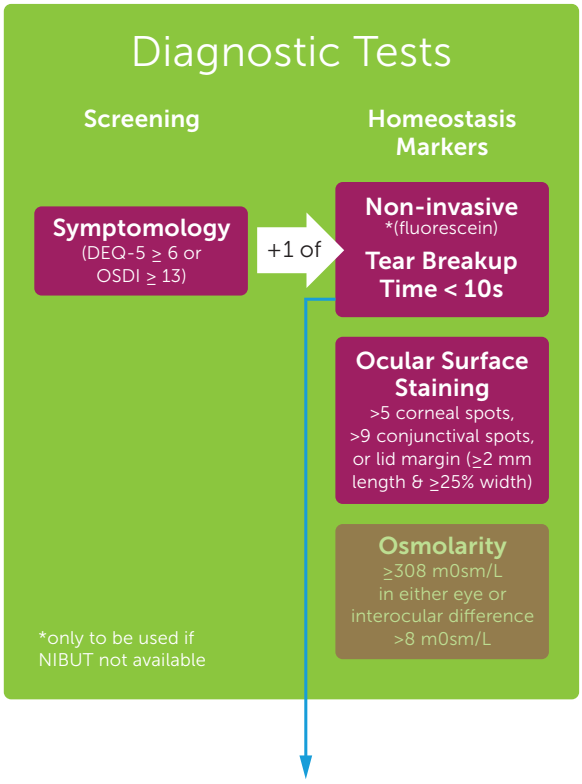
Avaliação de todas as camadas do filme lacrimal **(lipídica, Aquosa e Mucina)** e Glândulas de Meibômio

E graças aos equipamentos da SBM, é possível identificar o tipo de cada Síndrome de Olho Seco e determinar como cada componente pode ser tratado com sua específica recomendação, em relação ao tipo de deficiência.



The tests required for the diagnosis of the Dry Eye are well specified in the report of the DEWS II 2017 TFOS

Idra Full allows the complete analysis using the guidelines in a completely automatic and objective way, providing the results automatically without operator intervention, thus making the analysis incredibly fast and easily delegated.



Auto-NIBUT
(Tempo de rompimento do filme lacrimal)

O IDRA permite avaliar a estabilidade e regularidade do filme lacrimal, usando a medida não invasiva do tempo de ruptura (NIBUT). Onde se afere o tempo em segundos entre um piscar completo e o aparecimento da primeira descontinuidade no filme lacrimal.

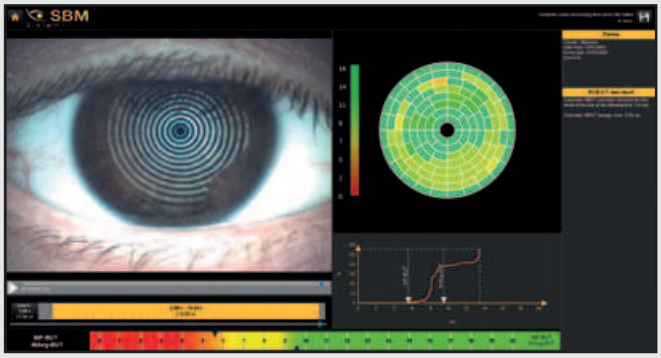
Com o IDRA, graças a um único vídeo, o médico pode obter muitas informações:

- Auto-NIBUT Automático

basic · plus · full

- Gráfico para entender a tendência da estabilidade do filme lacrimal durante o vídeo
- Topografia da lágrima que mostra a ruptura do filme lacrimal ao longo do tempo.

plus · full



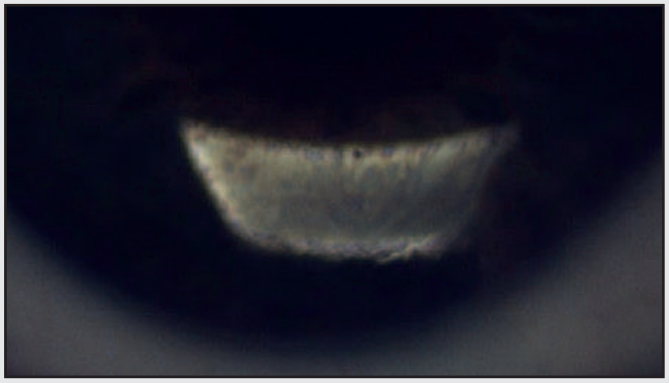
Ocular Surface Analysis – Dry Eye Suite

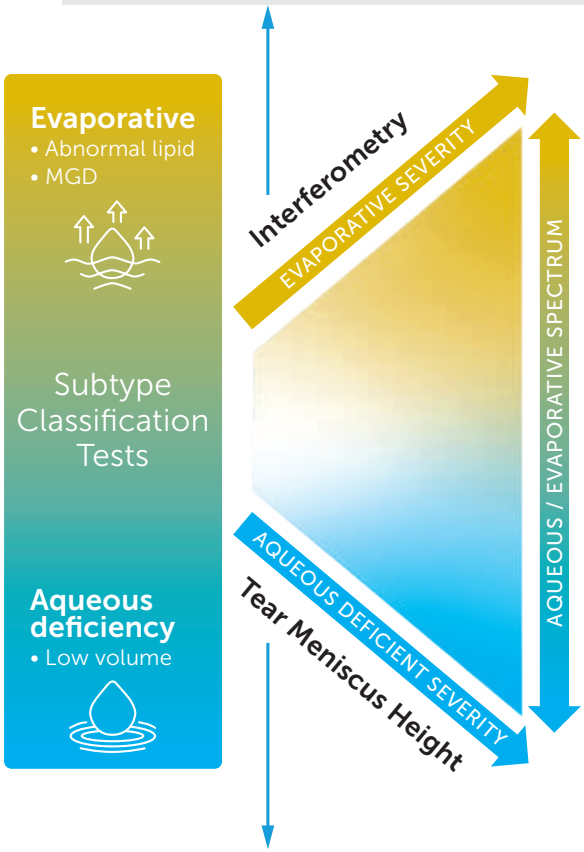
Automatic Interferometry

Thanks to the anterior illumination module, Idra can aquire the lipid layer secrection on the cornea.

The device highlights the lipid layer and the software evaluates the quantity and quality of the lipid component on the tear film.

basic · plus subjective · full automatic





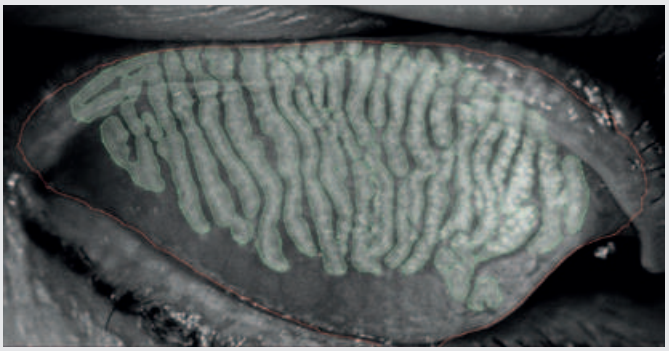
Meibografia

Detecção automática das glândulas de Meibômio nas pálpebras superior e inferior

As Glândulas de Meibômio (MGs) desempenham um papel significativo na qualidade das lágrimas, pois produzem lipídios (meibum) que fazem parte do filme lacrimal superficial. A disfunção das MGs desestabiliza a composição das lágrimas, resultando em olho seco evaporativo.

Detecção automática de pálpebras

Para reduzir o tempo de avaliação, o software detecta automaticamente a margem da pálpebra para análise das MGs.



Automatic tear meniscus height

Low tear production may result in aqueous tear deficiency (ATD) and cause dry eye symptoms. However, measuring the tear volume is difficult since the methods normally used are invasive and irritating. Reflex tear production can be induced, giving an over-estimation of basal tear flow and volume.

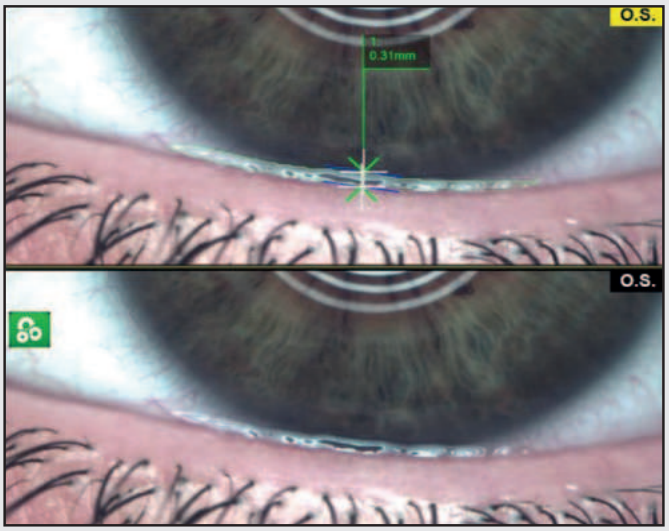
Tear meniscus height is related to the tear secretion rate and tear stability and for this reason it's a good indicator of tear production. The aqueous layer is evaluated through the non-invasive "Tear Meniscus" test and is then classified into different categories. The tear meniscus can be examined considering its height, regularity and shape.

basic subjective

An artificial intelligence determinates automatically:

- Position of tear meniscus
- Highest value in TM

plus · full automatic



Additional Evaporative Dry Eye exams

Qualidade do Piscar de Olhos

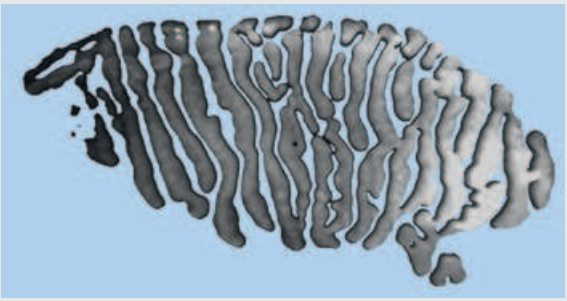
É também amplamente conhecido que o uso de lentes de contato (tanto lentes rígidas quanto lentes gelatinosas) pode induzir a mudanças significativas na taxa e na completude do piscar de olhos. Foi estabelecido que o piscar eficiente desempenha um papel importante na saúde da superfície ocular durante o uso de lentes de contato, melhorando o desempenho e o conforto das mesmas. O piscar ineficiente durante o uso de lentes de contato pode estar relacionado a uma baixa frequência de piscar ou a piscadas incompletas, e frequentemente pode ser uma causa de sintomas de olho seco ou manchas na superfície ocular. Automaticamente detecta e analisa o piscar de olhos e determina sua qualidade.

plus · full

Meibografia 3D

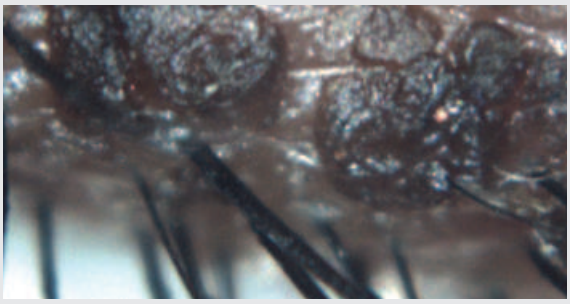
A revolucionária introdução da imagem das Glândulas de Meibômio em 3D oferece duas grandes vantagens. Em primeiro lugar, ela permite confirmar a presença de glândulas anormais em comparação com um paciente saudável em uma visualização em 3D; em segundo lugar, fornece uma imagem clara para compartilhar com os pacientes, auxiliando na explicação da possível causa de seu desconforto.
Além disso, esse novo sistema de imagem fornece evidências sólidas para apoiar a escolha de uma terapia específica (por exemplo, tratamento com IPL) e ajuda o paciente a entender por que determinada terapia está sendo recomendada.

plus · full



Cylindrical Dandruff and Blepharitis

Blepharitis is an inflammation caused by some bacteria that lie at the base of eyelashes. They produce dandruff-like flakes in the skin, which lead to infection and inflammation.
Problems with the Meibomian Glands (meibomianitis) in the eyelids can also cause blepharitis.



Pupillometry

The measurement of the pupil diameter has become increasingly important in the field of refractive surgery.
Larger scotopic pupil sizes may be partially responsible for the occurrence of postoperative symptoms such as halos, glare, and monocular diplopia. Refractive surgeons also need an accurate scotopic pupil measurement to determine appropriate treatment zones for excimer laser, corneal, and intraocular surgery.

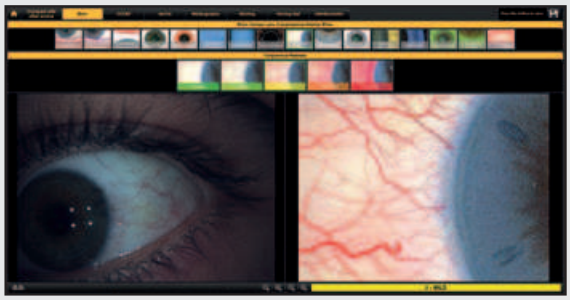
Demodex

Demodex brevis is a kind of mite found on the skin of humans.
D. brevis is so small that mites can't be seen macroscopically. The average mite causes noticeable reactions and problems in people largely infested. Symptoms of D. brevis usually only occur in case of large infestations.
Signs might include: Red skin, Rough or tough skin, Scaly or patchy skin. The symptoms of D. brevis are similar to those of D. folliculorum. The key difference is their location.

Additional Evaporative Dry Eye exams

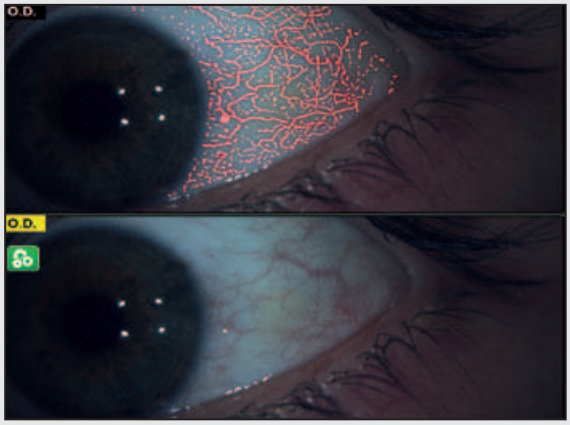
Efron / CCLRU / Jenvis

Comparative tables



Bulbar redness

Acquiring an image of the conjunctiva, it will be possible to compare the patient's condition with different international grading scales.
Once the image of the conjunctiva with its blood vessels is captured, it is possible to compare it with the classification sheets of bulbar and limbal redness degrees.



SBM Sistemi	basic	plus	full
Interferometria	√	√	√ auto
Mádia do Menisco	√	√ auto	√ auto
Auto NIBUT	√	√	√
Topografia lacrimal e estabilidade	–	√	√
Meibografia ì	√	√	√
Meibografia 3D	–	√	√
Detecção de piscada	–	√	√
Protocolo	√	√	√
Conexão com App	√	√	√
Relatórios	√	√	√
Questionário de estilo de vida	√	√	√
Exame de BUT - Com fluoresceína	√	√	√
DEQ5	√	√	√
Pupilometria	√	√	√
Bulbar redness	√	√	√

Relatório plus · full

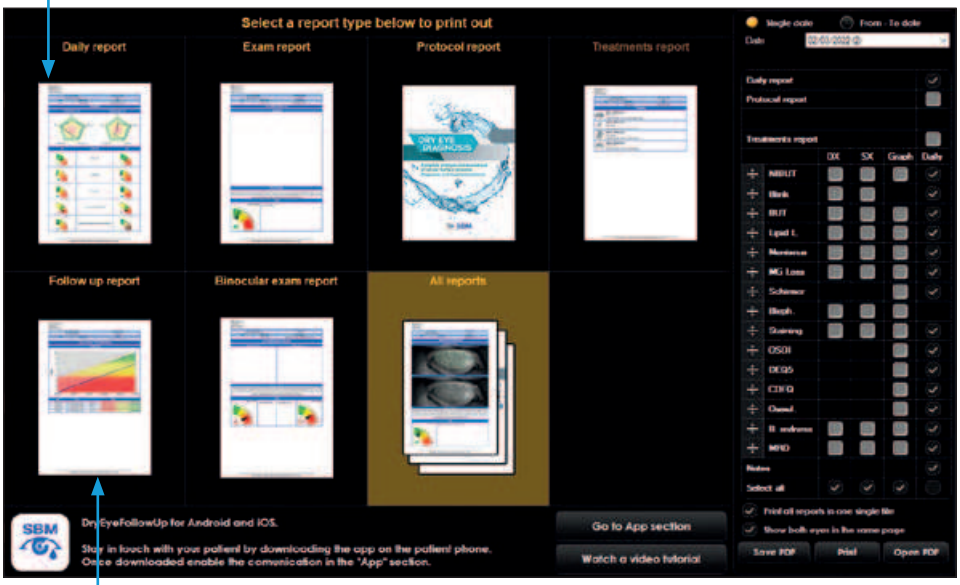
O software é uma plataforma dedicada a problemas de olho seco e, além de auxiliar no diagnóstico e classificação das doenças, permite imprimir e salvar diversos relatórios, oferecendo as soluções mais profissionais aos pacientes.

Para a satisfação do cliente, muitas vezes é aconselhável fornecer documentação técnica relacionada aos exames realizados.

Graças aos diversos relatórios impressos do IDRA, você terá a possibilidade de explicar visualmente e demonstrar de forma simples a situação da patologia. Além disso, é possível explicar como a patologia evoluiu ao longo do tempo.

The "Daily report" groups all results of the patient's exams of one single day. Multiple visualization options are available, including with or without pictures of the exams.

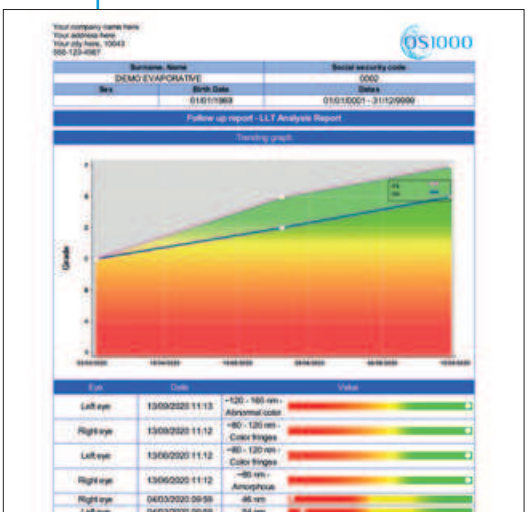
The "Follow-up report" can show to the patient the benefit of the therapy showing the improvement of the symptoms related to the dry eye pathology.

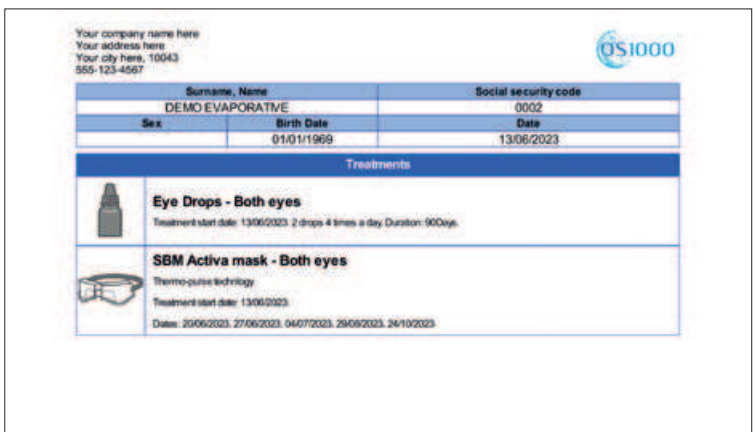


The "All reports" options can print a folder including up to 16 pages.

When the patient is paying out-of-pocket, receiving a detailed multi-page report will provide an added value and increase the satisfaction.

The "Treatments report" lists all prescribed treatments for the patient.





Treatment protocol

SBM Sistemi software provides different solution to help MD/OD/users to assign therapy:

MANUALLY

Treatment managing

Through TREATMENT MANAGING tab, the software allows the physician to fill in the database with all drugs, integrators and treatments available in his practice.

Any treatment as vitamins, Omega-3, eye drops, hot packs and IPL/Radiofrequency, can be loaded on the software to prescribe the products of the brands that the doctor prefers.

AUTOMATICALLY

Automatic treatment suggestion

The unique integrated algorithm, developed in collaboration with MD. Luca Vigo from Studio Medico Carones, can provide a dedicated treatment approach based on the results of the analysis.

In addition...

All users can customize their own protocol adding treatment procedure to be chosen automatically right after performing the exams (this makes it possible as well to delegate the diagnosis to an assistant).

Each of the options provides comprehensive and dedicated printable reports.

Dry eye follow up

This is an app for the smartphone of the patient to receive exams results, therapy, and a complete knowledge about the dry eye disease.

plus · full

Benefits of Dry eye follow up

- Fast and easy doctor-patient interactive communication Platform creating a two-way communication;
- Accurate reports sharing and updates;
- Tracking of results and progress over time to show fluctuations in symptoms;
- Help in regularly scheduling appointments, interact with clinic/hospital;
- Sending automatic reminders to patients and notifications to doctors;
- Speeding up the process of providing information, booking appointments, and setting up the treatment procedures prescribed by the doctor.

Stop forgetting your drugs

Set automatically on your mobile phone all treatments.

The App will remind you when and how to use the specific suggested drug.

Download on

Description

Joystick One-click acquisition

The optional SBM Smart Base is built precisely, smooth, and high-quality. Images and movies can be captured instantly and conveniently by pressing the joystick button.

Left/Right automatic detection

The SBM Smart Base automatically recognizes the right and left eye, allowing an even faster diagnosis of the ocular surface.

SBM Sistemi

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