Asuneɣ n wadda n tiṭ

# HFC-1

## Retinografi war asemɣer n tberract s unṭaf apanurami.

Issin aretinugraf HFC-1 war assemɣer n tpupilt n tiṭ. Yesdukkel tugniwin n retin s tifrat ɛlayen d tesleḍt taruradt s twuriwin tiwurmanin. Takamiyut s yiniten d twuri apanuram war assemɣer n tpupilt n tiṭ seshlen aseqdec s yiswi ilelli n uṭṭef n tmuɣli. HFC-1 yettwasnasen, iṣeḥḥan, arurad, d allal i udiɣnustik s tɣara.



HFC-1 · Tugna

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-18

Suter tasɣunt n ssuma

Wali afaris

Tettwahegga ass n 2026-11-09

> Taferkit-a n ufaris thegga-tt ASEM. Ur tettbeddil ara isemliyen unsiben n umeskar neɣ tinaḍin n useqdec.

# Iferdisen igejdan

### Tugniwin war asemɣer

Anṭaf n tugna n retina s wurti n 45°.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-05

### Tamugli tapanuramit

Asdukel apanurami n tugniwin n retina.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-05

### Taberract tameẓẓyant

Anṭaf seg ukatar n tberract n 3,3 mm.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-10-05

### Isemliyen n retin

Tugna n yiniten s tifrat ɛlayen d llsas izegzayen i twali d uḍfar.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-08-30

### Seggem taɣuri

Inadiyen n tafat, umgarad d gamma ttaɛawanen taɣuri n tugna yettwanṭafen.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-08-30

### Sdukkel tugna apanuram

Tawuri n apanuram tesdukkel aṭas n tugniwin i uḥric wessiɛen n retin.

Iɣbula d yisemliyen · Aɣbalu yettwasentem ass n 2026-08-30

### Tugniwin n retin

Anṭaf uslig i yisemliyen n fundus.

### Almad yettwanhan

Abrid yettɛawan tarbaɛt i ucceṛ d usekles n yikayaden.

### Aḍfar s yisemliyen

Tugniwin ttaɛawanent aserwes n yikayaden.

# Tiwuriwin deg usnas

## Retinografi war assemɣer n tpupilt n tiṭ

Iɣbula d yisemliyen

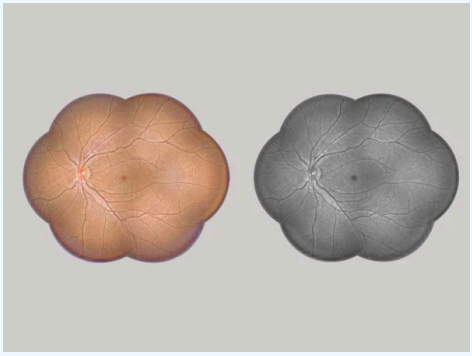
## Apanuram

Iɣbula d yisemliyen

### Seg yiwet n tugna ɣer panorama

Tawuri panorama tesdukkel tugniwin n retina yettwanṭfen seg yimukan yemgaraden. Anican n uṭṭaf n twali i yettuseggamen yettɛawan afran n temnaḍin ara yettwaṣewwren.

- Anṭaf deg waṭas n yimukan n uṭṭaf n twali.
- Asdukkel n tugniwin deg tmuɣli panorama.



HFC-1 · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

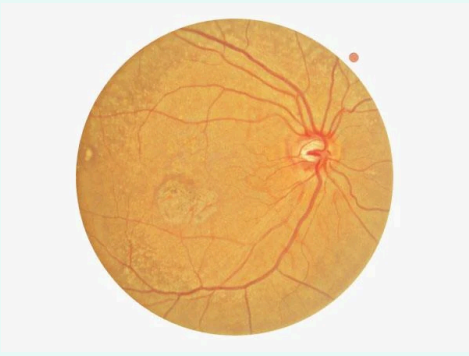
Iɣbula d yisemliyen

Iɣbula d yisemliyen

### Ṭṭef tugna n retina war assemɣer n teberract

Takamiṛat n retina tettanṭaf tugna n 45° s yinicanen n uṭṭaf n twali deg ugdil. Askar n teberract tameẓyant iseggam anṭaf ilmend n umeqqar n teberract.

- Taberract taddayt: 4.0 mm deg uskar amagnu, 3.3 mm deg uskar n teberract tameẓyant.
- Anican n uṭṭaf n twali n daxel d unican n berra s LED amellal.



HFC-1 · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen

Iɣbula d yisemliyen

## Aretinugraf s PC yedduklen d tugniwin s tifrat ɛlayen

Asenqed awurman n tsekta n tpupilt n tiṭ.

Aseggem awurman n ufḍis n tafat.

Tawuri apanuram i twali n yiri.

## Tugniwin timatutin yemden

Afran n usimɣer s telqay.

Yeshel tamuɣli, tasleḍt d udiɣnustik s yimeḍqan RGB d twuriwin n biyumetri.

## Tulmisin titiknikanin

War assemɣer n tpupilt n tiṭ.

Tifrat: 60 n yizirigen/mm.

Teɣmert n twali: 45°.

Takamiyut: amassas n tugniwin s yiniten.

Akdu adday n tpupilt n tiṭ:
4,0 mm (askar amagnu), 3,3 mm (askar n tpupilt tameẓyant).

Afḍis: tafat tamellalt.

Amecwar n umahil: 33 mm.

Asemsawi n diyuptri n tiṭ n umuḍin:
-33D ~ +33D s umata.

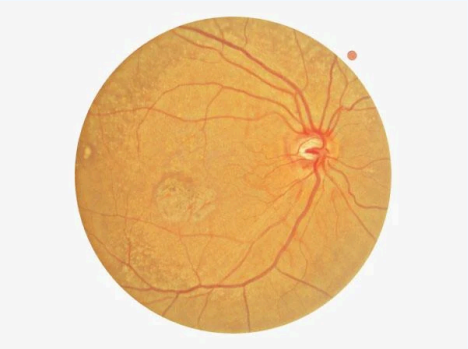
Asfuɣel awurman n tiṭ:
Igellusen X d Y i users, agellus Z i umecwar n umahil.

# I wakken ad yishil ubrid n umahil

## Err aḍfar d unṭaf d iwurmanen

Aḍfar awurman d unṭaf awurman ttwafkan i unṭaf war assemɣer n teberract. Tawriqt teskan amahil s teberract tameẓyant war abeddel n uskar s ufus.

- Aḍfar awurman d unṭaf awurman.
- Amahil s teberract tameẓyant war abeddel s ufus n uskar i d-yettwasbadun.



HFC-1 · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen

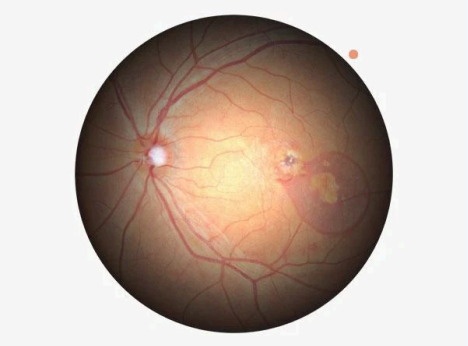
Iɣbula d yisemliyen

# I useqdec n yal ass

## Sekyed s unagraw yettwasdukklen

Iskaren n yini, anili, azeggaɣ, war azeggaɣ d cobalt skanent tamuɣliwin i yettemkammalen n tugna n retina.

- Afran n uskar n tugna deffir unṭaf.
- Tatiknulujit n tmuɣli EVT i d-yesbadu Huvitz.



HFC-1 · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen

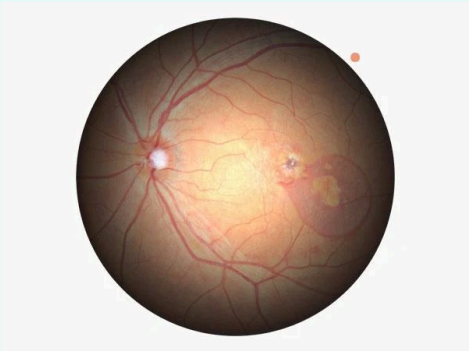
Iɣbula d yisemliyen

## Sekyed tugniwin deg yibenk

PC d ugdil anallay i d-itteddun deg yibenk ttağğan amahil srid deg tesɣunt n unṭaf.

Ilmend n twila

- Agdil anallay n 12.1 inch.
- Asekyed s yiminig d ugrudem DICOM ilmend n twila n uẓeṭṭa.



HFC-1 · Tugna

Tugna n umeskar. Tawila yettwaskanen tezmer ad temgarad ɣef tin ara d-yettunefken.

Iɣbula d yisemliyen

Iɣbula d yisemliyen



HFC-1 · Tugna

Iɣbula d yisemliyen

# Isallen itiknikanen d yisemliyen

### Ticreḍt
Huvitz

### Anaw
HFC-1

### Tatiknuluji
Tugniwin n fundus

### Aseqdec akliniki
Tugniwin d OCT

### Aḥric n twali
45 °

Iɣbula d yisemliyen

### Tifrat deg tlemmast
60 lignes/mm

Azal adday n umeskar.

Iɣbula d yisemliyen

### Akdu adday n tpupilt n tiṭ
3.3 mm

Askar n tpupilt tameẓyant; askar amagnu 4 mm.

Iɣbula d yisemliyen

### Aseɣẓan
HIIS-1

Iɣbula d yisemliyen

### Tilisa n useggem
Ɣef teɣzi 70 mm; ɣef yidis 100 mm; deg ibeddi 30 mm

Iɣbula d yisemliyen

### Asaɣ n trisiti
100–240 V AC ; 50–60 Hz

Iɣbula d yisemliyen

### Tisekta
330 × 542 × 521 mm

Iɣbula d yisemliyen

### Taẓayt
28 kg

Iɣbula d yisemliyen

Azal adday n umeskar.

Askar n tpupilt tameẓyant; askar amagnu 4 mm.

# Asider d yiɣbula

- https://www.huvitz.com/product/hfc-1/
  Aɣbalu yettwasentem ass n 2026-10-05
- https://huvitz.com/en/product/hfc-1/
  Aɣbalu yettwasentem ass n 2026-08-30
- https://huvitz.com/wp-content/uploads/2024/10/HFC-1_4p_eng_200420.pdf
  Aɣbalu yettwasentem ass n 2026-10-18
- https://huvitz.com/wp-content/uploads/2024/10/HFC-1_4p_eng_200420.pdf
  Aɣbalu yettwasentem ass n 2026-10-18

# Isteqsiyen-nwen ɣef HFC-1

### D acu Aḥric n twali iɣef llan yisemliyen n HFC-1?

45 °

Iɣbula d yisemliyen

### D acu Tifrat deg tlemmast iɣef llan yisemliyen n HFC-1?

60 lignes/mm — Azal adday n umeskar.

Iɣbula d yisemliyen

## Anta tawila i ilaq ad sentmeɣ i HFC-1?

Azal adday n umeskar.

Iɣbula d yisemliyen

## HFC-1 yettfaras tigzimin OCT?

HFC-1 d takamiṛat n retina. Tettak tugniwin, iskaren n tmuɣli d panoramat; tawriqt ur tt-id-tesbadu ara d ibenk n tumugrafi OCT.

Iɣbula d yisemliyen

## Amek tettwarna tugna panorama?

Tettwasdukkel seg waṭas n tugniwin i yettwanṭfen deg yimukan yemgaraden n uṭṭaf n twali. Temgarad ɣef yiwet n tugna n 45°.

Iɣbula d yisemliyen

## Ilaq uselkim n berra i unṭaf adigan?

HFC-1 yesɛa PC d ugdil anallay n 12.1 inch deg yibenk. Asekyed s uẓeṭṭa d DICOM yesra aseggem n usbeddi i as-yemṣadan.

Iɣbula d yisemliyen

# Ifarisen icudden



## HOCT-1 / HOCT-1F

Huvitz

OCT d usuneɣ

OCT aspektral d retinografi war asemɣer n tberract deg yiwen.

Wali afaris



## OCTavius

Huvitz

OCT d usuneɣ

Semmus n yikayaden deg yiwet n tɣawsa n tugniwin n wallen.

Wali afaris

# Wali akatalug akliniki n ASEM

Wali taɣulin icudden deg ukatalug ASEM. Iseɣwan-a ur rennun ara isnasen imaynuten i yibenk-a.

Tugniwin d OCT

# Ugar n yibenk, d amɛiwen i wakud ɣezzifen

Mmeslay ɣef usenfar-ik akked ASEM: afran n yibenkan, asbeddi, asileɣ d tallalt tatiknikant.



Tugna n umeẓlu

### Asbeddi

Mmeslay ɣef yisuturen n usbeddi d twila akked terbaɛt-nneɣ tatiknikant.

Issin ugar



Tugna n umeẓlu

### Asileɣ

Suter isallen ɣef usileɣ d ulmad n useqdec yellan i yibenk-ik.

Issin ugar



Tugna n umeẓlu

### Ameẓlu deffir uznuzu

Nermes ASEM i tallalt tatiknikant d umɛiwen i yibenk-ik.

Issin ugar



Tugna n umeẓlu

### Anṣaḥ n yimussnawen

Mmeslay-aɣ ɣef yisuturen-ik iklinikiyen i wakken ad nefren ibenkan iwulmen.

Issin ugar

Nermes amussnaw

Wali akk ifarisen

Asmel n umeskar

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