Atupugrafi n tɣerɣert

HTG-1

Topografi n lqerniya s keratumetri d tesleḍt Zernike.

HTG-1. Atupugraf n lqerniya i tesleḍt n lqerniya d useggem n tlentiyin, s tetiknuluji n useɣẓan HIS-1 i uḍfar n yimuḍan.



HTG-1 · Tugna

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

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

Suter tasɣunt n ssuma

Wali afaris

Tettwahegga ass n 2026-11-28

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

Iferdisen igejdan

Takarḍa n lqerniya

Takarḍa tatopugrafit n tmaẓirt n lqerniya.

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

Tasleḍt Zernike

Tasleḍt n isembeddilen n lqerniya s wawalen Zernike.

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

Keratumetri deg yiwen

Akat n ukrif n lqerniya deg yiwen n ukayad.

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

Tiwuriwin deg usnas

Topografi n lqerniya

Iɣbula d yisemliyen

Keratumetri

Iɣbula d yisemliyen

Tasleḍt Zernike

Iɣbula d yisemliyen

Sker takarḍa n uɣummu n lqerniya s Placido

24 n tweqqasin Placido ttɛawanent tikerḍiwin n ugellus, tangentyal, tanezmart n rifraksyun d uɛlay. Tupugrafi-a tesbadu aɣummu n lqerniya; pakimitri ur d-tettwakkas ara seg tkarḍiwin-a.

- 24 n tweqqasin Placido.
- Ugar n 6,220 n tneqqiḍin yettwaktilen; ugar n 100,000 n tneqqiḍin yettwasleḍen.

Iɣbula d yisemliyen

Sdukkel talɣa n lqerniya d tesleḍt n tafat

Imaẓlayen Zernike ttimkammalen azalen n kiratumetri. Anagraw iskan daɣen inammalen n keratukun, pupillumetri d umecwar amellal-amellal.

- Kiratumetri d beṭṭu n yiberreren s Zernike.
- Inammalen n keratukun, pupillumetri d amellal-amellal.

Iɣbula d yisemliyen

Serwes timeskanin n lqerniya

Tikerḍiwin skanent talɣa n lqerniya s waṭas n tmeskanin i yettemkammalen.

- Tikerḍiwin n ugellus d tangentyal.
- Tikerḍiwin n tnezmart n rifraksyun d uɛlay.

Iɣbula d yisemliyen

Ktil taberract d amellal-amellal

Iktilen n umeqqar ttimkammalen tikerḍiwin n tkuẓẓi deg ukayad.

- Taberract: 0.5–10 mm.
- Amellal-amellal: 7–14 mm.

Iɣbula d yisemliyen

Topografi d tesleḍt n lqerniya

Tatiknuluji n tesleḍt tbedd ɣef usenfel n tneɣrutin ɣef tmaẓirt n lqerniya i yisallen yettwasnasen ɣef:

• Keratumetri: akat n ukrif n lqerniya.

• Topografi: talɣa d yibeddilen n lqerniya.

• Keratukun: asenqed n wuguren usligen.

• Imeskar Zernike: tasleḍt n yiberṛučen iḍwanen.

• Pupiyumetri: akat amussu n tpupilt n tiṭ.

• Amellal-amellal: i useggem n kra n yibenkan i yettwasebdedden daxel.

• Aseggem amengi n tlentiyin.

• Tikarḍiwin s telqay (igellusen, tanila, tanezmart n rifraksyun, asali).

• Aseɣẓan HIS-1 i tesleḍt taklinikant d uḍfar n waṭṭanen n wallen.

Tasleḍt tanernant n lqerniya

Itiknulujiwin HUVITZ n ukayad n lqerniya ttağğant adiyagnustik iṣeḥḥan, yettwasnasen n waṭṭanen iwaɛren am keratukun d yastigmatism ur nemṣada ara.

Tikarḍiwin n lqerniya skanent ibeddilen, ttaɛawanent tidawiyin tusligin.

Atupugraf HUVITZ yeshel aḍfar deffir ugzay d useggem n tlentiyin neɣ yimplanten.

Tasleḍt yemden n yikrifen, yiberṛučen iḍwanen d tnezmart n rifraksyun.

Aberumitr d tesleḍt Zernike

Yesenqad iberṛučen iḍwanen n tmaẓirt n lqerniya.

HTG yessemgarad iberṛučen ilmend n lixṣas n twali, ladɣa wid n uswir ɛlayen.

Yettɛawan adiyagnustik n waṭṭanen am keratukun neɣ astigmatism ur nemṣada ara.

Yettɛawan tidawiyin tusligin, am agradd n rifraksyun d useggem iṣeḥḥan n tlentiyin.

Pupiyumetri tamussant

HTG-1 ikayad s telqay tisekta n tpupilt n tiṭ, ula deg tafat talemmast, d ubeddel n tlemmast.

Igmaḍ n tesleḍt ttwaskanen s tkarḍiwin d yisfuklen yemgaraden, i usefhem izegzayen, s telqay, i yimplanten.

Akat amellal-amellal

• Implanten daxel n tiṭ (IOL) d tlentiyin fak.

• Agradd n rifraksyun d tneɣrutin daxel n lqerniya.
Amecwar amellal-amellal yettwaseqdec i ukayad n tsekta n lqerniya, i uheggi n kra n yigzayen n lqerniya.

• Aseggem n tlentiyin tusligin d tlentiyin skleral.

• Adiyagnustik d uḍfar n waṭṭanen n lqerniya d yibeddilen n talɣa.

I wakken ad yishil ubrid n umahil

Suddus tikerḍiwin d yineqqisen

Ineqqisen suddusen isefka n tupugrafi, SimK, imiridyanen, keratukun d amellal-amellal. Ameskar isbadu asekyed HIIS-1 d umṣada DICOM i usdukkel deg texxamt n ukayad.

Ilmend n twila

- Ineqqisen yettwasuddesen n tesleḍt tupugrafik.
- Asekyed HIIS-1 d useɣwen DICOM ilmend n twila.

Iɣbula d yisemliyen

Simul asers n talentit n unermis

Aseɣẓan yettak tamuɣli yettwasimulen n fluorescein seg yisefka n tupugrafi.

- Asimul n usersi ɣef talɣa n lqerniya.
- Tamuɣli yettwasuḍnen, temgarad ɣef tugna s fluorescein yettwarennan.

Iɣbula d yisemliyen

I useqdec n yal ass



HTG-1 · Tugna

Iɣbula d yisemliyen

Isallen itiknikanen d yisemliyen

Aseɣẓan

HIIS; tuqqna DICOM tettwammel

Iɣbula d yisemliyen

Asider d yiɣbula

- https://huvitz.com/ko/product/htg-1/
  Aɣbalu yettwasentem ass n 2026-10-05
- https://huvitz.com/ko/product/htg-1/
  Aɣbalu yettwasentem ass n 2026-10-18
- https://huvitz.com/wp-content/uploads/2025/02/HTG-1_6p_eng_240115_v2.pdf
  Aɣbalu yettwasentem ass n 2026-10-18

Isteqsiyen-nwen ɣef HTG-1

D acu Aseɣẓan iɣef llan yisemliyen n HTG-1?

HIIS; tuqqna DICOM tettwammel

Iɣbula d yisemliyen

Ugar n 100,000 n tneqqiḍin ttwaktilent akk srid?

Isuturen frezzen gar ugar n 100,000 n tneqqiḍin yettwasleḍen d ugar n 6,220 n tneqqiḍin yettwaktilen. Amḍan n tesleḍt ur ilaq ara ad yettwaseknen d amḍan n uktil srid.

Iɣbula d yisemliyen

D acu amgired gar tneqqiḍin yettwaktilen d tid yettwasleḍen?

Isuturen frezzen gar ugar n 6,220 n tneqqiḍin yettwaktilen d ugar n 100,000 n tneqqiḍin yettwasleḍen seg 24 n tweqqasin Placido. Sin n yimḍanen-a ur d-yettak yiwen amkan n wayeḍ.

Iɣbula d yisemliyen

Asimul n talentit d tugna s yini yettwarennan?

Ala. Tamuɣli n fluorescein d asimul n useɣẓan i usersi, yettwasuḍnen seg tupugrafi. Temgarad ɣef tugna yettwanṭfen deffir tmerna n fluorescein.

Iɣbula d yisemliyen

Ifarisen icudden



HBM-1

Huvitz

Tabiyumitrit taẓrant

Biyumetri taḍwant d topografi n lqerniya i ukayad send agradd.

Wali afaris



Eyestar 900

Haag-Streit

Tabiyumitrit taẓrant

Biyumetri taḍwant d keratumetri s unagraw EyeSuite.

Wali afaris



Lenstar 900

Haag-Streit

Tabiyumitrit taẓrant

Abiyumetr aḍwan s keratumetri d useɣẓan EyeSuite.

Wali afaris



HRK-1

Huvitz

Allalen awurmuyen n uktazal n tɣuri d yiɣallen n tɣerɣert

Rifraksyun, keratumetri d tallalt i usmṣada n lentiyat n unermis.

Wali afaris

Wali akatalug akliniki n ASEM

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

Asenqed d biyumetri

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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