Tabiyumitrit taẓrant

HBM-1

Biyumetri taḍwant d topografi n lqerniya i ukayad send agradd.

Ibenk amaynut s waṭas n twuriwin i udiɣnustik n wallen, s tarrayin n userwes n yisefka, i uḍfar amatu n waṭṭanen s usdukkel n waṭas n yikayaden. HBM-1 n Huvitz d allal agejdan n biyumetri, yesdukkel telqay d tnezzut i ugzay d uḍfar n waṭṭanen n wallen, s tergonomi iwulmen i yisuturen n yimassanen.



HBM-1 · Tugna

Iɣbula d yisemliyen

Suter tasɣunt n ssuma

Wali afaris

Tettwahegga ass n 2026-11-11

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

Iferdisen igejdan

Biyumetri taḍwant

Akat n teɣzi ɣef ugellus seg 14 ar 40 mm.

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

Topografi Placido

24 n tneɣrutin i tkarḍa n lqerniya.

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

Asiḍen n IOL

Asiḍen n IOL d tesleḍt Zernike deg yiwen.

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

Biyumetri yettwasuddesen

Ikaten n tiṭ iwulmen dduklen i uheggi n umahil.

Topografi n lqerniya

Tikarḍiwin tusligin skanent talɣa d tzemmar n lqerniya.

Aḍfar n myupi

Abeddel n teɣzi ɣef ugellus yeqqim yella i uḍfar.

Tiwuriwin deg usnas

Biyumetri taḍwant

Iɣbula d yisemliyen

Keratumetri

Iɣbula d yisemliyen

Topografi n lqerniya

Iɣbula d yisemliyen

Biyumetri d topografi deg yiwen n ukayad

HBM-1 yesdukkel mraw n yisefka n biyumetri taḍwant d topografi n lqerniya. Timuɣliwin n biyumetri d tkarḍiwin n lqerniya duklent i uheggi n usiḍen n uimplant.

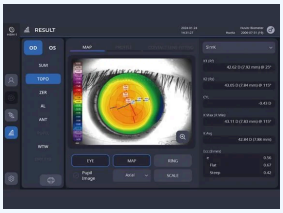
- Taɣzi ɣef ugellus, CCT, telqayt n texxamt d tuzur n tikristal.
- Tikarḍiwin n topografi d yisefka n lqerniya deg ukayad.



HBM-1 · Tugna

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

Iɣbula d yisemliyen



HBM-1 · Tugna

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

Iɣbula d yisemliyen

Iɣbula d yisemliyen

Ssefer izamulen ḍeɛfen s DCM

Dense Cataract Mode isnernay sakin yessiḍin daɣen izamulen n tafat ḍeɛfen deg uktil.

- Askar i katarakt izuran.
- Taɣuri-nniḍen n yisefka n biyumetri deg ugrudem.

Iɣbula d yisemliyen

Tulmisin timadawanin d titiknikanin

1. Telqay ɛlayen n yikaten n biyumetri:
HBM-1 yettak tasleḍt s telqay n teɣzi ɣef ugellus, telqay n texxamt tamezwarut d tuzert talemmast n lqerniya, s tikkelt yettwasnasen. Isefka-a d igejdanen i yigmaḍ iwulmen n usiḍen n yimplanten daxel n tiṭ (IOL).

2. Askar n katarakt leqway (DCM):
Tatiknuluji-a ttağğa ikaten yettwasnasen ula i yimuḍan s katarakt leqway, s uɛiwed n ukalibray n yizamulen n tafat iḍeɛfen i udiɣnustik iṣeḥḥan.

3. Aḥkam uzwir n myupi:
Aḍfar n ubeddel n teɣzi ɣef ugellus d yisefka n rifraksyun i usenqed n usfari n myupi, ayen agejdan i tidawiyin timaynutin n myupi.

4. Anermis yeshilen:
Agdil anallay s tifrat ɛlayen d unadi s ṣṣut, HBM-1 yeshel anadi d ulmad arurad i terbaɛt tamadawant.

5. Tuqqna d usdukkel:
Tuqqna akked yinagrawen EMR d tuqqniwin n yisefka iklinikiyen seshlen abrid seg udiɣnustik ɣer ugzay.

Tulmisin titiknikanin tigejdan

Taɣzi ɣef ugellus: tilisa n ukat seg 14 ar 40 mm, tikkelt ±0,025 mm.

Telqay n texxamt tamezwarut: 1,5 ar 6,5 mm, tikkelt ±0,04 mm.

Tuzert talemmast n lqerniya: 0,25 ar 1,3 mm, tikkelt ±0,02 mm.

Amasay n ukrif n lqerniya: 5 ar 13 mm, tikkelt ±0,03 mm.

Tanezmart n rifraksyun n lqerniya: 25,96 D ar 67,50 D.

Amecwar amellal-amellal: 7 ar 14 mm, tikkelt ±0,05 mm.

Akdu n tpupilt n tiṭ: 0,5 ar 10 mm, tikkelt ±0,05 mm.

Tulmisin-a ttağğant ikaten iṣeḥḥan, yettwasnasen, i uheggi iwulmen n ugzay d uḥraz n wallen.

Tulmisin tigejdan

HBM-1: Asdukkel n biyumetri d topografi: akat deg yiwen n wakud n mraw n yisefka iklinikiyen, i tnezzut d telqay deg uheggi n ugzay n katarakt.

Askar n katarakt leqway (DCM): yesnerni, yessiḍen tikkelt-nniḍen izamulen n tafat iḍeɛfen i yisefka yettwasnasen ula i yimuḍan s katarakt leqway.

Aḥkam n myupi: yettḍafar ibeddilen n teɣzi ɣef ugellus d rifraksyun, i uḍfar d userwes n yigmaḍ send d deffir tseddart n udawi.

Anermis yeshilen: tuqqna, imnir n ṣṣut d usfuɣel awurman ttağğan aseqdec iwulmen i yimassanen.

Tiwuriwin

Amsiḍen n uimplant daxel n tiṭ (IOL): amsiḍen IOL, amaẓrag IOL.

Keratukun: KPI.

Aseggem n tlentiyin n unermis: aserwes n flyuresin.

Tasleḍt Zernike.

Aḥkam n myupi.
Katarakt d aḥkam n myupi.
Amsiḍen n uimplant daxel n tiṭ (IOL): amsiḍen IOL, amaẓrag IOL.

Keratukun: KPI.

Aseggem n tlentiyin n unermis: aserwes n flyuresin.

Tasleḍt Zernike.

Aḥkam n myupi.
Asdukkel n biyumetri d topografi: akat deg yiwen n wakud n mraw n yisefka iklinikiyen, i tnezzut d telqay deg uheggi n ugzay n katarakt.

Askar n katarakt leqway (DCM): yesnerni, yessiḍen tikkelt-nniḍen izamulen n tafat iḍeɛfen i yisefka yettwasnasen ula i yimuḍan s katarakt.

I wakken ad yishil ubrid n umahil

Fren tarrayt n usiḍen n uimplant

Agrudem yettak-d, gar wayen-nniḍen, tigrummiwin Barrett, Holladay, SRK/T, Hoffer Q d Haigis. Aserwes n yisefka d ufran n tarrayt qqimen deg ufus n umussnaw.

- Tigrummiwin Barrett, gar-asent Universal II, Toric d True-K.
- Tarrayin-nniḍen yettwasegzan: Holladay, SRK/T, Hoffer Q d Haigis.

Iɣbula d yisemliyen

Ṭṭef sakin sleḍ akayad

Aḍfar awurman d usenqed s ṣṣut ttɛawanen anṭaf uqbel awali n tmuɣliwin n yigmaḍ.

- Asenqed s ṣṣut d uḍfar awurman.
- Ineqqisen n biyumetri, topografi d usiḍen n uimplant.

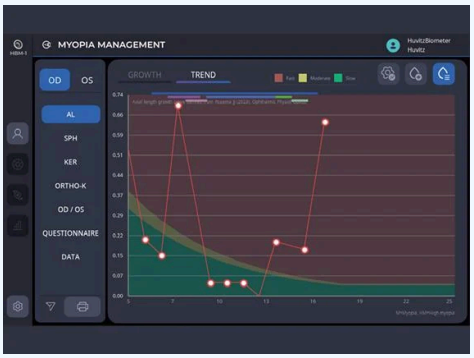
Iɣbula d yisemliyen

I useqdec n yal ass

Serwes iktilen deg temliliyin

Timuɣliwin n umezruy ttɛawanent taɣuri n ubeddel n taɣzi ɣef ugellus d userwes n useɣti. Ineqqisen ssemlilen biyumetri, topografi d usiḍen n uimplant.

- Amezruy n taɣzi ɣef ugellus.
- Aserwes n yisefka uqbel d seld tasɣunt n useɣti.



HBM-1 · Tugna

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

Iɣbula d yisemliyen

Iɣbula d yisemliyen

Senqed akayad deg uẓeṭṭa n ukabini

Huvitz yessegza asdukkel ɣer uqeddac n tugniwin HIIS-1 i usenqed n yikayaden.

Ilmend n twila

- Ambaddel gar yibenkan yeqqnen ɣer uẓeṭṭa.
- Tawila n uẓeṭṭa d useɣẓan ilaq ad tettwafren i usbeddi.

Iɣbula d yisemliyen

Isallen itiknikanen d yisemliyen

Ticreḍt
Huvitz

Anaw
HBM-1

Tatiknuluji
Abiyumitr aḍwan

Aseqdec akliniki
Adiyagnustik d biyumetri

Taɣzi taddayt ɣef ugellus
14 mm

Iɣbula d yisemliyen

Taɣzi tafellayt ɣef ugellus
40 mm

Iɣbula d yisemliyen

Topografi
Placido: 24 n tneɣrutin; aḥric alamma 9.8 mm

Iɣbula d yisemliyen

Aseɣẓan
Asiḍen IOL; tasleḍt Zernike; aserwes n tlentiyin n unermis

Iɣbula d yisemliyen

Tilisa n useggem
Ɣef teɣzi 45 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
302 × 506 × 510 mm

Iɣbula d yisemliyen

Taẓayt
22 kg

Iɣbula d yisemliyen

Asider d yiɣbula

- https://www.huvitz.com/theme/huvitz_en/img/landing/HBM-1_eng_brochure.pdf
  Aɣbalu yettwasentem ass n 2026-10-05
- https://huvitz.com/product/hbm-1/
  Aɣbalu yettwasentem ass n 2026-08-30
- https://huvitz.com/en/product/hbm-1/
  Aɣbalu yettwasentem ass n 2026-08-30
- https://huvitz.com/product/hbm-1/
  Aɣbalu yettwasentem ass n 2026-10-18
- https://www.huvitz.com/theme/huvitz_en/img/landing/HBM-1_eng_brochure.pdf
  Aɣbalu yettwasentem ass n 2026-10-18

Isteqsiyen-nwen ɣef HBM-1

D acu Taɣzi taddayt ɣef ugellus iɣef llan yisemliyen n HBM-1?

14 mm

Iɣbula d yisemliyen

D acu Taɣzi tafellayt ɣef ugellus iɣef llan yisemliyen n HBM-1?

40 mm

Iɣbula d yisemliyen

I wacu askar Dense Cataract?

Ameskar yessegza asesfer i yettwarnan n yizamulen ḍeɛfen i katarakt izuran. Askar-a yettnerni ɣer unṭaf; taɣara n yiktilen ilaq ad tettwasenqed uqbel asiḍen.

Iɣbula d yisemliyen

I wacu askar DCM?

Yessefer sakin yessiḍin daɣen izamulen n tafat ḍeɛfen i yiktilen n katarakt izuran. Amussnaw yesenqad isefka i d-yettwafkan uqbel aseqdec-nsen deg usiḍen n uimplant.

Iɣbula d yisemliyen

Anwa isefka i nezmer ad neḍfer gar temliliyin?

Timuɣliwin n umezruy i d-yettwasegzan skanent taɣzi ɣef ugellus d userwes n tesɣunin n useɣti. Ttağğant taɣuri-nniḍen n yiktilen i d-yeḍfaren.

Iɣbula d yisemliyen

Ifarisen icudden



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



HTG-1

Huvitz

Atupugrafi n tɣerɣert

Topografi n lqerniya s keratumetri d tesleḍt Zernike.

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.

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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