

Case Study Testimonial: Eye-Tracking Perimeter, FIELDNavigator (Product name "GAP" in Japan) by Akashi Futami Niimi Eye Institute



Overview

The Akashi Futami Niimi Eye Institute, established on August 2, 1999, serves as the flagship facility of the Ishinkai Group. Since its inception, the clinic has been dedicated to offering a comprehensive range of eye care services, including same-day cataract surgeries, glaucoma treatments, strabismus surgeries, and custom prescriptions for contact lenses and eyeglasses. Additionally, the institute provides thorough examinations following three-year health checkups and orthoptic training for amblyopia and strabismus. To better serve a growing patient base, the clinic moved to its current location in November 2014, expanding to three examination rooms.

Insights from Dr. Koji Niimi

Dr. Koji Niimi has been instrumental in the early development of the FIELDNavigator (GAP) diagnostic device, contributing valuable feedback that goes beyond mere usage.



Key Findings

- A patient survey at the clinic revealed that 68% of respondents preferred tests conducted with the FIELDNavigator (GAP) over traditional visual field tests.
- Looking ahead, 76% of patients expressed a preference for utilizing FIELDNavigator (GAP) for future examinations.
- The FIELDNavigator (GAP) device, recognized for its outstanding portability, is conveniently located in the waiting area adjacent to the consultation room.

Current Examination Operations

Our clinic is outfitted with the latest examination technologies. We prioritize patient comfort by maintaining spacious examination rooms, ensuring a relaxing atmosphere during evaluations. Accessibility considerations, including provisions for wheelchair users, are also a key focus. Our examinations operate on a reservation basis.

For visual field testing, we have both two conventional Humphrey devices and the FIELDNavigator (GAP) available. The Humphrey devices are situated in a dark room, while the FIELDNavigator (GAP) is positioned in a well-lit examination room or the waiting area. Patients at our clinic have the flexibility to choose between the FIELDNavigator (GAP) and the conventional device for their examinations, unless otherwise directed by a physician.

This approach reflects our commitment to patient-centered care and innovation in eye health services.



Challenges Prior to GAP Implementation

Before implementing the FIELDNavigator (GAP) system, our examination operation faced significant challenges, particularly with scheduling visual field tests. We had a high demand from patients, which made it difficult to secure appointments. Although we considered adding a third Humphrey device, our limited space for a darkroom was a constraint. Then we discovered the FIELDNavigator (GAP) model, which allowed elderly patients to take visual field tests in a comfortable, well-lit environment. Recognizing its potential, we decided to install it.



Patient Reactions to FIELDNavigator (GAP)

The response from our patients has been overwhelmingly positive. A survey conducted at our clinic revealed that 68% of patients preferred the FIELDNavigator (GAP) testing method over conventional devices. Many expressed a desire to continue using FIELDNavigator (GAP) for future tests.

Here's what our patients had to say:

- "It's less stressful."
- "At first, I was confused because I wasn't used to it, but it was comfortable."
- "I think it will be easier to take the test once I get used to it."
- "Compared to traditional testing, this was much easier, and the lights were easier to see."
- "The traditional method made me feel uneasy and tired because of the dark room, but this time I was able to relax during the test."
- "If the results are the same, the head-mounted type is more comfortable and faster."

Feedback from Certified Orthoptists (CO)

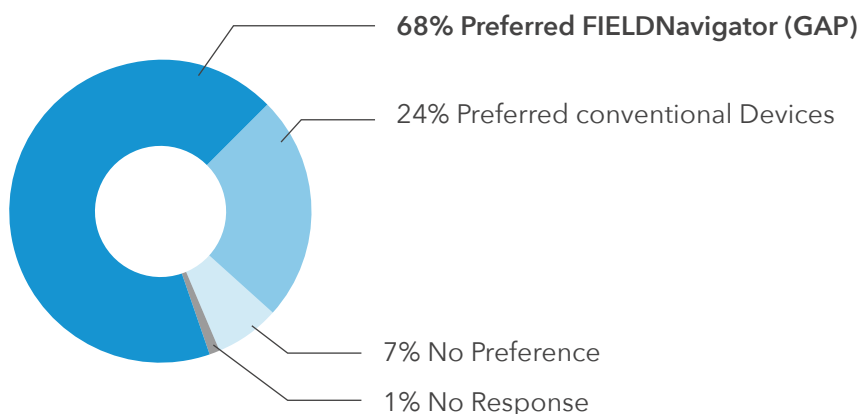
Our Certified Orthoptists also shared their insights:

- "It's easier because we don't need to occlude one eye."
- "It's simpler to explain the procedure to first-time patients, which shortens the overall time required for the test, including pre and post testing."

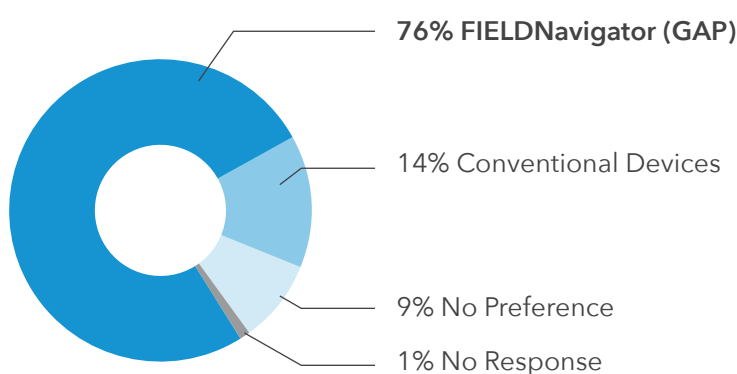
Overall, the implementation of FIELDNavigator (GAP) has transformed our visual field testing process, significantly improving patient comfort and operational efficiency.

Survey from Patients at Akashi Futami Niimi Eye Institute

- How did you feel about the FIELDNavigator (GAP) test compared to the traditional visual field tests you have taken before?



- Which method would you prefer for your next test?



Please describe the operational structure of the system:

Our clinic utilizes the electronic medical record system from Findex, which enables us to access the results of visual field tests performed with FIELDNavigator (GAP) through the visual field monitoring software "C-Peri." Physicians can present these results to patients using the MD slope and visual field threshold map shown on the screen. (For electronic medical records from sources other than Findex, results can be accessed as PDF image files.)

Additionally, "C-Peri" includes the "G-QuiCC" feature, which is valuable for ongoing assessments. This tool estimates the type and severity of the disease based on the patient's intraocular pressure and visual field MD value, displaying the suggested target intraocular pressure. This is especially helpful during busy outpatient appointments. Moreover, by entering the prescribed medication, we can also evaluate its effects.



What are your future expectations for FIELDNavigator (GAP)?

If it could measure contrast sensitivity, its applications could broaden significantly, particularly before and after cataract surgery. We're currently exploring binocular visual function tests, but since the medical devices for these tests are no longer in production, we hope FIELDNavigator (GAP) can incorporate this measurement capability. (*Development of contrast sensitivity measurement is currently underway.)

*Source: <https://findex.co.jp/en/products/gap/customer-case-study/case01.html>



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