

CASE STUDY

Virginia Oculofacial Surgeons Advances Oculoplastics Care with Carrot

Dr. Dimitrios Sismanis | Oculoplastic and Reconstructive Surgeon
Virginia Oculofacial Surgeons



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Dr. Dimitrios Sismanis specializes in oculoplastic and reconstructive surgery, where precision, documentation accuracy, and timely intervention are critical. In a specialty heavily influenced by insurance requirements and functional testing criteria, dependable visual field data plays a central role in both patient care and procedural approvals.

As insurance requirements have become increasingly complex, Dr. Sismanis sought a reliable, automated visual field and functional vision testing solution to support compliance while maintaining clinical efficiency.

Tests Run on Carrot	Total Tests Conducted
Ptosis Suprathreshold Central 30-2 Bolt Central 24-2 Bolt	12280

The Challenge of Insurance-Driven Testing Requirements

In oculoplastics, functional visual field testing is often required to secure insurance approval for procedures. Traditional tabletop perimeters frequently demand dedicated staff oversight, creating workflow inefficiencies and inconsistent results.

According to Dr. Sismanis, navigating insurance requirements year after year has become increasingly complex. The practice needed a dependable, automated testing solution that did not require a technician to monitor the exam continuously.

Traditional systems often required constant supervision, tying up staff resources while still producing inconsistent results. For a busy surgical practice, this model was inefficient and unsustainable.

A Streamlined, Automated Visual Diagnostics Platform

Dr. Sismanis implemented Carrot [formerly Virtual Field], a portable, Visual Diagnostics solution that simplifies both testing and documentation.

Technicians can set up the exam and step away, allowing them to remain productive elsewhere in the clinic. The automated system produces reliable, insurance-ready results while minimizing human error.

Carrot also maintains compatibility with standard taping and untaping protocols required for functional eyelid surgery documentation, preserving established clinical workflows while modernizing the testing experience. The result is a streamlined process for generating clear, insurance-ready data, reducing administrative friction and improving operational efficiency.



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Results and Outcomes in Patient Care

Beyond insurance compliance, Carrot has proven valuable in urgent clinical scenarios.

In one case, a patient presented with orbital swelling and visual deterioration. A Carrot visual field test helped quickly identify the issue, allowing Dr. Sismanis to expedite hospital care and initiate steroid treatment. Subsequent testing demonstrated improvement, helping the team avoid emergency surgery.

Carrot's ability to support real-time monitoring and timely intervention has strengthened both patient safety and clinical confidence.

Patients also respond positively to the experience, consistently preferring the lightweight headset over traditional tabletop perimeters for its comfort and ease of use.

Financial Predictability and Peace of Mind

For Virginia Oculofacial Surgeons, Carrot's subscription model offers long-term financial advantages. Without the need for large capital purchases, ongoing maintenance contracts, or significant downtime, the practice benefits from predictable costs and regularly updated technology.

By integrating Carrot into its workflow, Virginia Oculofacial Surgeons has improved insurance documentation efficiency, reduced the burden on technicians, enhanced patient comfort, and strengthened clinical responsiveness, helping advance the standard of care in oculoplastic surgery.

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