



# SWAMI VIVEKANANDA UNIVERSITY

EXCELLENCE . INNOVATION . ENTREPRENEURSHIP

[www.swamivivekanandauniversity.ac.in](http://www.swamivivekanandauniversity.ac.in)

## Completion Report of "Decoding Patients Through Orthoptic Evaluation"



**"Decoding Patients Through Orthoptic Evaluation"**

PROGRAM COMMENCES **22<sup>ND</sup> JULY @ 3:00 PM**

Organised by

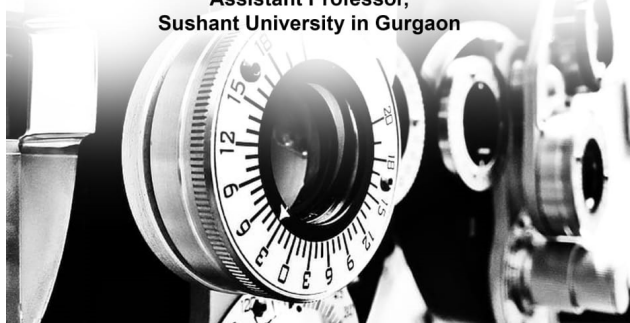
**DEPARTMENT OF OPTOMETRY**



Resource person

**Ms. Roshni Sengupta**

B.Optom, M.Optom, PhD (Scholar)  
Assistant Professor,  
Sushant University in Gurgaon



Organized by: Department of Optometry

Date: 22nd July 2023

Venue: Swami Vivekananda University

## Webinar Report: “Decoding Patients Through Orthoptic Evaluation”

Date: 22nd July 2023

Event: Webinar on “Decoding Patients Through Orthoptic Evaluation”

Speaker: Ms. Roshni Sengupta

Location: Online (Virtual Platform)

Organized by: Department of Optometry

### Introduction:

On 22nd July 2023, an insightful and engaging webinar titled “Decoding Patients Through Orthoptic Evaluation” was conducted, with Ms. Roshni Sengupta, a leading expert in the field of orthoptics, as the speaker. The webinar aimed to enhance the understanding of orthoptic evaluation and its critical role in diagnosing and managing various eye conditions related to binocular vision, strabismus, and other visual disorders.

### Webinar Overview:

The session was attended by eye care professionals, optometrists, orthoptists, and students eager to delve deeper into the subject of orthoptic evaluation. The purpose of the webinar was to educate the participants on the importance of a comprehensive orthoptic assessment and its application in clinical practice, particularly in diagnosing and managing conditions that affect eye coordination and alignment.

### Ms. Roshni Sengupta’s Lecture:

Ms. Sengupta, with her extensive experience in orthoptics, shared her expertise on decoding patients through detailed orthoptic evaluations. Her lecture was a perfect blend of theory and practical knowledge, making it both accessible and informative for participants of various experience levels.

### Key Highlights of the Lecture:

**Introduction to Orthoptic Evaluation:** Ms. Sengupta began by explaining the basics of orthoptic evaluation, discussing how it involves a range of diagnostic tests aimed at assessing the function of the eye muscles, binocular vision, and coordination. She highlighted the importance of this evaluation in detecting conditions such as strabismus (misalignment of the eyes), amblyopia (lazy eye), and convergence insufficiency.

**Importance of Detailed Patient History:** A significant part of the webinar was dedicated to the role of patient history in orthoptic evaluation. Ms. Sengupta emphasized the need for a thorough history-taking process, which helps in identifying the root causes of visual symptoms such as double vision, eye strain, or difficulty with depth perception. She advised that practitioners should not only rely on clinical tests but should also consider the patient’s lifestyle and visual complaints to guide the assessment.

**Orthoptic Testing Procedures:** Ms. Sengupta provided an in-depth explanation of various orthoptic testing procedures. She discussed how tests such as the cover-uncover test, the Hirschberg test, and the Maddox rod test can be used to assess ocular alignment, as well as the use of near point convergence and fusional amplitude tests to evaluate binocular vision. She also demonstrated how to interpret the results of these tests in real-world clinical settings.

**Strabismus and Binocular Vision Disorders:** The speaker devoted considerable time to discussing strabismus and binocular vision disorders, focusing on their symptoms, diagnosis, and management. Ms. Sengupta illustrated how orthoptic evaluation plays a pivotal role in identifying the underlying causes of eye misalignment and dysfunction, such as muscle weakness or neurological conditions.

**Practical Application and Case Studies:** To enhance understanding, Ms. Sengupta shared several case studies where orthoptic evaluation played a key role in diagnosing complex visual issues. She walked the participants through real-life cases, explaining how the findings from orthoptic evaluations led to treatment plans, which included exercises, prism therapy, and surgical interventions.

**Treatment Approaches:** The webinar also highlighted various treatment modalities following an orthoptic evaluation. Ms. Sengupta discussed vision therapy, corrective lenses, and surgical options, providing clear guidance on when each of these treatments should be considered based on the results of the evaluation.

**The Future of Orthoptics:** To conclude, Ms. Sengupta provided her perspective on the future of orthoptics. She mentioned the increasing integration of technology in orthoptic assessments, including the use of computer-based testing and the potential of telemedicine in offering remote assessments. She encouraged the participants to stay updated on advancements in the field and embrace new technologies to improve patient care.

#### **Interactive Q&A Session:**

After the presentation, the webinar transitioned into a dynamic Q&A session. Participants had the opportunity to ask Ms. Sengupta questions related to clinical practice, specific cases they were dealing with, and the future of orthoptic evaluation. The interaction was highly engaging, with Ms. Sengupta providing expert advice and valuable insights into overcoming common challenges faced by practitioners.

#### **Conclusion:**

The webinar on “Decoding Patients Through Orthoptic Evaluation” proved to be an invaluable learning experience for all attendees. Ms. Roshni Sengupta’s expertise and the practical knowledge shared during the session helped deepen the understanding of orthoptic evaluation’s role in the diagnosis and management of various visual disorders. The webinar was an excellent platform for professionals to enhance their skills and stay informed about the latest developments in the field.

**Acknowledgments:** The event organizers extend their heartfelt thanks to Ms. Roshni Sengupta for her exceptional presentation and to all the participants for their active involvement. Special appreciation also goes to the technical team for ensuring the smooth running of the virtual event.

Report Compiled by: Anusuya Das