



# **The Copenhagen Strabismus Planner**

## **A whiteboard layout for the operation room**

### **Introduction**

Strabismus surgery may require complex planning. Wrong surgery on correct muscle or vice versa is a known risk, thus a “safety board” is warranted.

We developed a strabismus planning whiteboard to

- Provide overview of prior relevant medical and ophthalmological history
- Display orthoptic status in a graphic manner
- Record forced ductions and cyclotorsions
- Document planned surgery
- Create a visible overview for the surgical team during the operation

### **Design**

A wall-mounted whiteboard (h:90/w:60cm) was specially designed to display relevant information prior to and during strabismus surgery. The whiteboard contains the following information:

- Patient name and age
- Diagnosis
- Prior surgery
- Best corrected visual acuity
- Motility with ductions/versions
- Binocular function
- Double-Maddox prism test for cyclorotation
- Prism alternate cover test (PACT) at near and at distance. PACT at distance includes nine directions of gaze with each field subdivided for horizontal and vertical deviation
- Postoperative diplopia test
- Results of intraoperative forced duction test
- Results of intraoperative Guytons exaggerated test for cyclotorsion
- Target for surgical correction
- Surgical plan based on the above. Tick boxes are for timeouts before surgery on each muscle.

### **Conclusion**

- The board provides a summary of the strabismus patient and diminishes risk of mistakes during planning and surgery. In complicated cases, discussions on the best surgical plan in front of the board can be performed with all data available. During surgery, important findings are documented on the board, also as a drawing if needed.
- We find the “Copenhagen Strabismus Planner” with pre-printed fields on a whiteboard, a valuable tool in planning strabismus surgery, providing overview in complex cases, and reducing the risk for surgical mistakes.
- The cost of this customized whiteboard with colourprint was €300 made locally.
- An editable PowerPoint version of the strabismus planner is available above.
- You are welcome to edit and print the board at your own discretion.

### **Designed by**

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