

Supplementary Online Content

Kelly KR, Jost RM, Dao L, Beauchamp CL, Leffler JN, Birch EE. Binocular iPad game vs patching for treatment of amblyopia in children: a randomized clinical trial. *JAMA Ophthalmol*. Published online November 10, 2016.
doi:10.1001/jamaophthalmol.2016.4224

eTable 1. Inclusion and Exclusion Criteria

eTable 2. Baseline Characteristics

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Inclusion and Exclusion Criteria

| |
|--|
| <i>Inclusion criteria</i> |
| Age 4-10 years |
| 0.3-0.8 logMAR amblyopic eye BCVA |
| 0.1 logMAR or better fellow eye BCVA (0.2 logMAR or better for 4 year-olds) |
| ≥3 lines interocular difference |
| ≥8 weeks in glasses (if needed) OR no change in BCVA with glasses at 2 visits separated by 4-6 weeks |
| Amblyopia due to strabismus, anisometropia, or both meeting the following criteria: |
| Strabismus: acquired esotropia with or without a history of alignment surgery |
| Anisometropia: Hyperopic and/or astigmatic anisometropia ≥ 1.0 diopter spherical equivalent or astigmatism with or without microtropia |
| Combined mechanism: acquired esotropia and anisometropia with or without a history of alignment surgery |
| Good ocular alignment (no strabismus >4 PD) |
| Demonstrate ability to understand and play the binocular game at enrollment |
| |
| <i>Exclusion criteria</i> |
| Prematurity >8 weeks |
| Coexisting ocular or systemic disease |
| Developmental delay |
| Myopic anisometropia |
| Prior binocular amblyopia treatment |
| |
| |

eTable 2. Baseline Characteristics

| | Total (N=28) | Binocular game (n=14) | Patching (n=14) |
|--------------------------------------|-------------------------|----------------------------------|----------------------------|
| Sex: F | 7 | 3 | 4 |
| Age, years | | | |
| 4–6 | 17 | 9 | 8 |
| 7–10 | 11 | 5 | 6 |
| Mean±SD, years | 6.78±1.44 | 6.60±1.39 | 6.95±1.51 |
| | | | |
| Prior amblyopia treatment | | | |
| None | 8 | 4 | 4 |
| Patching | 12 | 7 | 5 |
| Atropine | 1 | 1 | 0 |
| Patching + atropine | 7 | 2 | 5 |
| | | | |
| Weeks in glasses | | | |
| 8–13 | 3 | 2 | 1 |
| >13–26 | 3 | 2 | 1 |
| >26 | 22 | 10 | 12 |
| | | | |
| Cause of amblyopia | | | |
| Strabismus | 9 | 4 | 5 |
| Anisometropia | 14 | 7 | 7 |
| Combined | 5 | 3 | 2 |
| | | | |
| AE BCVA, logMAR (Snellen equivalent) | | | |
| 0.3–0.6 (20/40–20/80) | 23 | 12 | 11 |
| 0.7–0.8 (20/100–20/125) | 5 | 2 | 3 |
| Mean±SD, logMAR | 0.48±0.14 | 0.46±0.14 | 0.50±0.15 |
| | (~20/63±1.4 lines) | (~20/63±1.4 lines) | (20/63±1.5 lines) |
| | | | |
| FE BCVA, logMAR (Snellen equivalent) | | | |
| -0.1 (20/16) | 7 | 4 | 3 |
| 0.0 (20/20) | 9 | 4 | 5 |
| 0.1 (20/25) | 12 | 6 | 6 |
| Mean±SD, logMAR | 0.02±0.08 | 0.01±0.09 | 0.02±0.08 |

| | | | |
|--|--------------------|--------------------|--------------------|
| | (~20/20±0.8 lines) | (~20/20±0.9 lines) | (~20/20±0.8 lines) |
|--|--------------------|--------------------|--------------------|