



Contact Lenses In Pediatrics (CLIP) Study

Overview of findings and conclusions

STUDY PROTOCOL

- 169 subjects
 - 84 children (ages 8-12)
 - 85 teenagers (ages 13-17)
- No CL wear in past
- Refractive error only; good ocular health
- Three clinical testing sites
 - The Ohio State University College of Optometry
 - New England College of Optometry
 - University of Houston College of Optometry



STUDY PROTOCOL, cont.

- CL fitting*/testing
- I&R training
- Follow-up visits at 1 week, 1 month, 3 months



*Fit with ACUVUE ADVANCE® with HYDRACLEAR® (85%) or ACUVUE ADVANCE® *for Astigmatism* (15%)

Contact Lenses In Pediatrics (CLIP) Study

Patient Outcomes: Eye Health



PATIENT SAFETY

- Biomicroscopic evaluations conducted
 - Signs increased from baseline to 1 week to 1 month
 - Reduced to below baseline by 3-month visit
 - Indicates adaptation period for CL wear
- No serious adverse effects reported
 - Three non-serious AEs reported; all resolved completely
- No obvious differences in biomicroscopic findings between children and teens
- Non-compliance may reduce with parent education/support



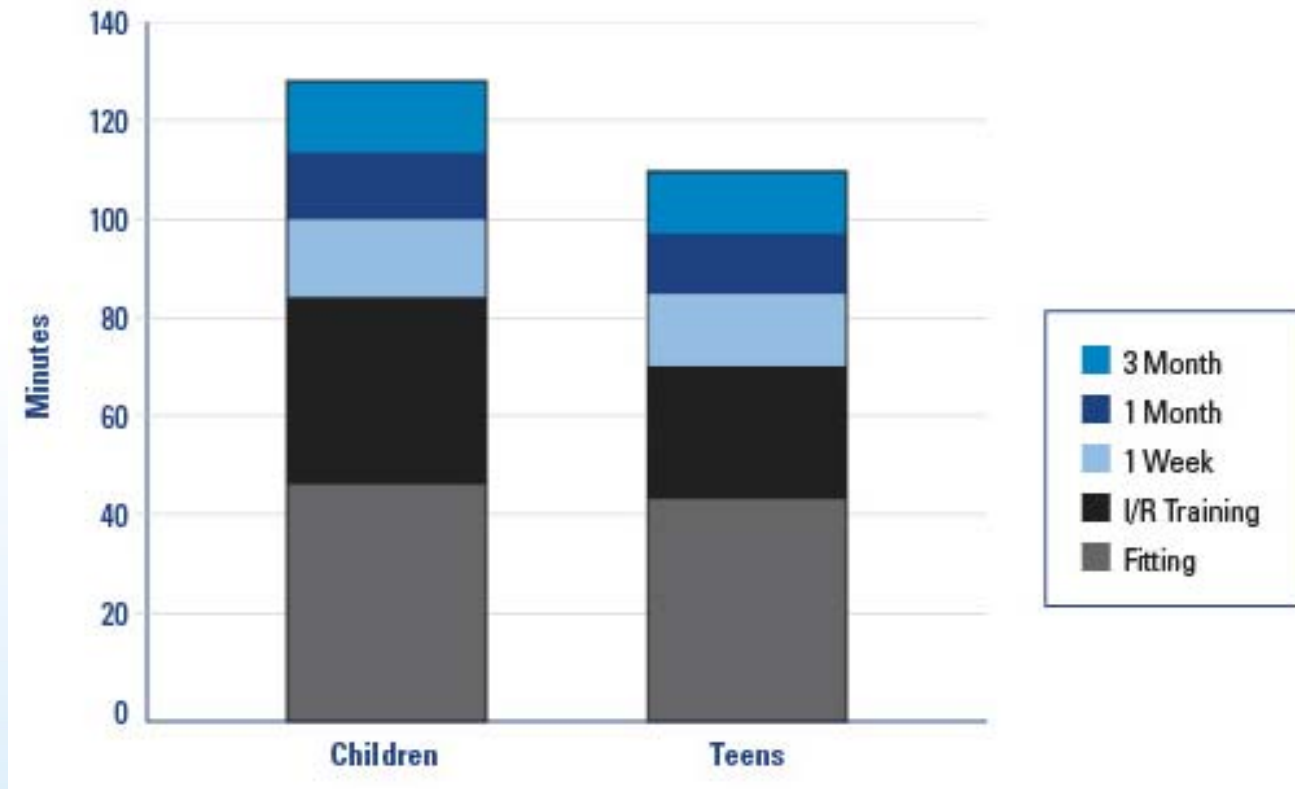
Contact Lenses In Pediatrics (CLIP) Study

Patient Outcomes: Ease of Fit



FITTING TIME:

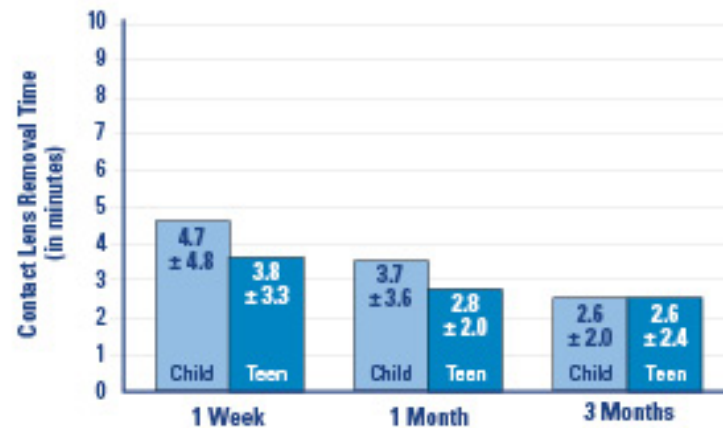
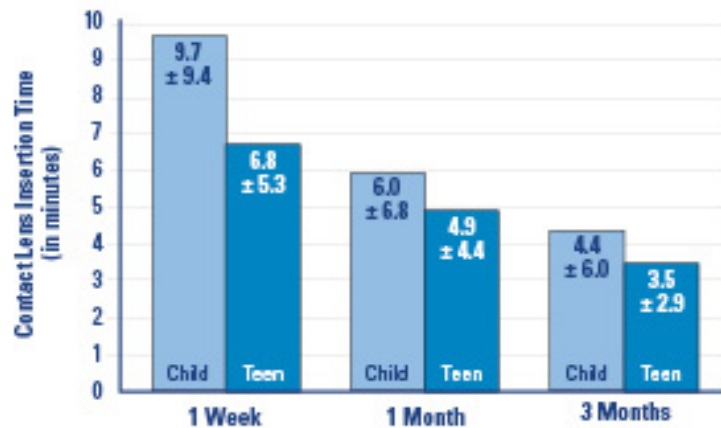
Essentially the same for children and teens



ADAPTATION TO CONTACT LENSES:

Steady improvement for children and teens

Children and teens readily adapt to contact lenses

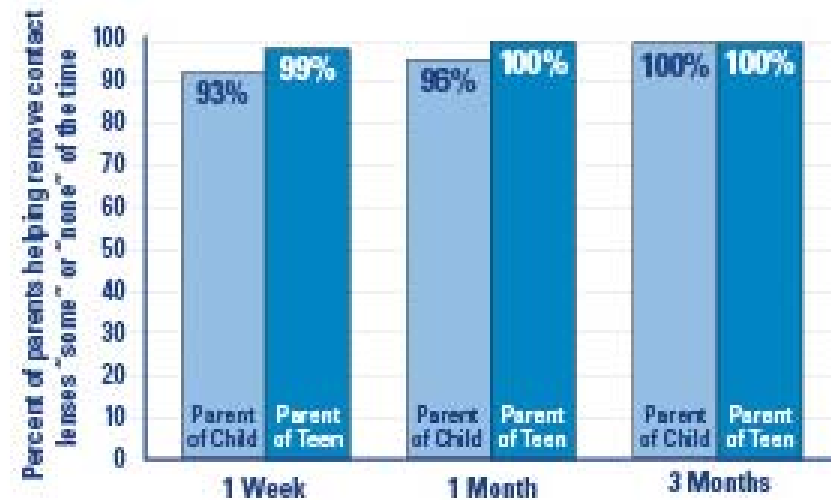
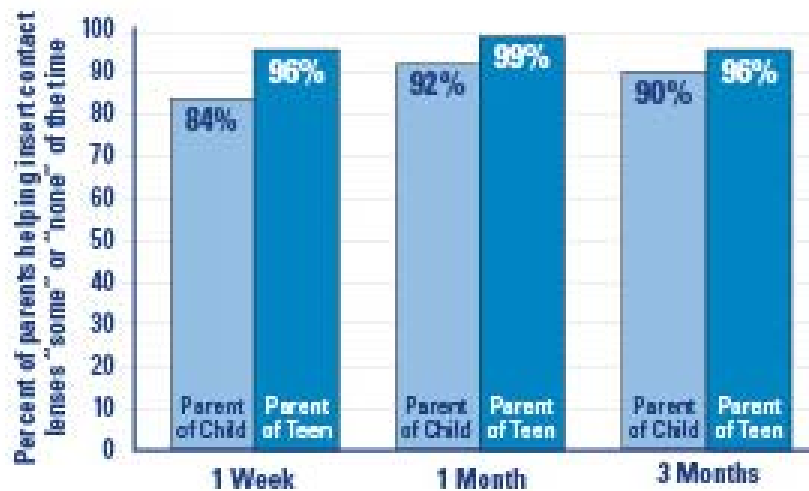


- By 3 months, 83% of children and 89% of teens found it easy to clean and take care of their lenses
- Nearly three-quarters of children ages 8 to 11 preferred contact lenses to spectacles

ADAPTATION TO CONTACT LENSES:

Less parental assistance over time

By 3 months, patients needed little if any parental assistance



Contact Lenses In Pediatrics (CLIP) Study

Patient Outcomes: Quality of Life



Pediatric Refractive Error Profile (PREP)

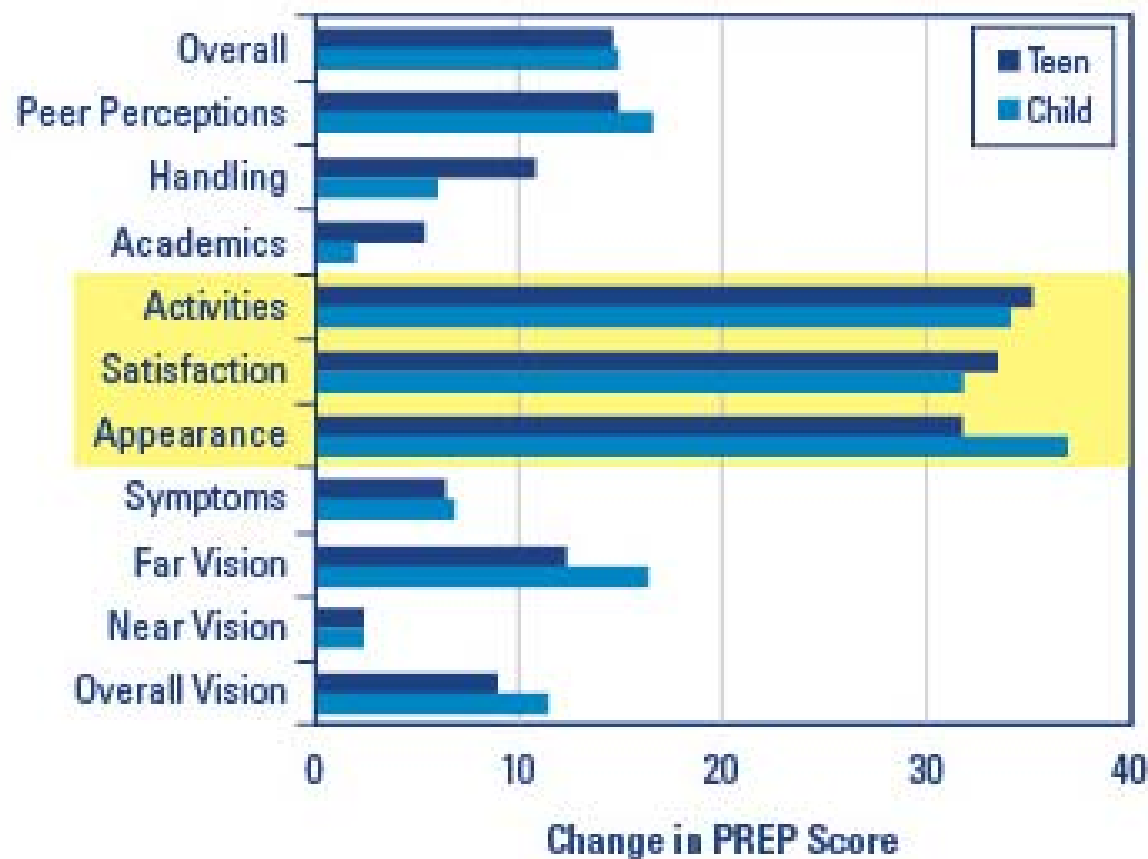
- Pediatric quality of life scale for children and teens affected only by refractive error
- Scored from 1 (negative) to 5 (positive)
- Scaled from 0 (poor) to 100 (good)
- 26 statements; 10 sub-scales (Overall PREP = mean of all items)

Sample questions:

I like to wear my glasses	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
It's easy to clean and take care of my glasses	Strongly disagree	Disagree	Neutral	Agree	Strongly agree

PREP Score:

Switch to contact lenses improves quality of life



Post-CLIP Study

Lifestyle Questionnaire:

Children and teens report success in key areas

	Children	Teens
Good vision	94%	83%
Improved performance in activities	68%	65%
Positive reaction from others	76%	73%
Easy to care for	83%	89%

Post-CLIP Study

Lifestyle Questionnaire:

Parents evaluate success comparably to patients

	Parent of Child	Parent of Teen
Good vision	96%	92%
Improved performance in activities	86%	80%
Positive reaction from others	86%	88%
Easy to care for	87%	80%

Parents' Perspectives on Success:

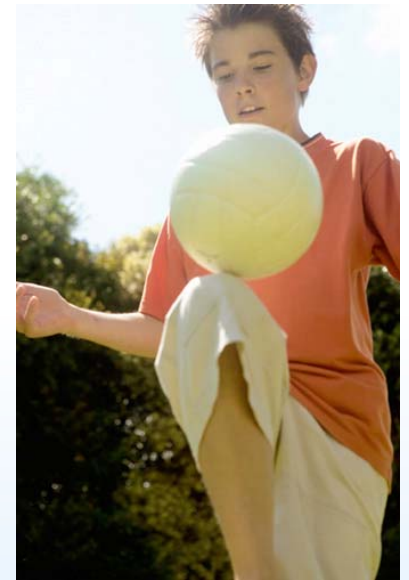
Give high marks for stability, care, responsibility

Question (from PREP)	Parent of Child % Agree	Parent of Teen % Agree
The contact lenses do not fall out of my child's eyes	90%	89%
My child finds it easy to clean and take care of his/her contact lenses	89%	92%
Contact lenses make my child feel better about himself/herself, more confident	80%	80%
My child is demonstrating that he/she is responsible enough to wear contact lenses and properly care for them	86%	89%
I feel that contact lenses are right for my child	89%	84%

UV Protection as Factor in Contact Lens Selection

Parents strongly prefer UV-protective lenses

- Parents surveyed about importance of UV protection in choosing contact lenses
- 85% of parents stated that ultraviolet light protection was very important or important when deciding what lenses their child or teen should wear



Study Sponsor

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Journal References: *Optometry and Vision Science*



Addendum:

Pediatric Refractive Error Profile (PREP)

- Overall Vision
 - problems seeing clearly
 - vision is very clear
 - vision is very blurry
- Near vision
 - no problems seeing computer or video games
 - problems reading
- Far vision
 - see clearly far away
 - problems seeing movies or far away
- Symptoms
 - eyes hurt
 - nose, ears or head hurts
 - eyes itch, burn or feel dry
 - eyes feel good
- Appearance
 - I like how I look
 - I don't like how I look
 - If I wore _____ I would look better
- Satisfaction
 - I like to wear my...
- Activities
 - no problems when I play outdoors
 - bothered when I play sports, dance or other activities
- Academics
 - I do better at school
 - I do better on tests
- Handling
 - It is easy to take care of...
 - It is easy to put in and take out...
 - get lost or broken easily
 - fall out of my eyes
- Peer Perceptions
 - my friends make fun of me
 - my friends want to wear _____ too
 - my friends like the way I look
- Overall PREP
 - Average of all questions

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