



Pisa JUNE 15-17, 2019

Child Vision Research Society

Seventeenth Biennial Meeting

JUNE 15, SATURDAY

- 8.30 - 9.00 Opening Ceremony
- 9.00 - 9.15 *CVRS in Pisa 22 years later: where we were and where we are*
- 9.15 -10.00 **Keynote Lecture - Adaptive Plasticity and neurodevelopment**
(Nicoletta Berardi)

Session 1 - Development and assessment

Chair: Ortibus E. and Tinelli F.

- 10.00 - 10.15 Development of visual cortex in 5 weeks old infants
(Biagi L, Crespi SA, Tosetti M, Morrone MC)
- 10.15 - 10.30 How early visual impairment can be detected?
(Ricci D, Petrianni M, Leone S, Galanti M, Velli C, Gallini F, Cota F, Romeo D, Lepore D, Orazi L)
- 10.30 - 10.45 Empirical development of a classification system for childhood cerebral visual disorders
(Sakki H, Bowman R, Sargent J, Dale N)
- 10.45 -11.00 Visual Function Score: a new assessment tool for visual disorders
(Signorini S, Luparia A, Cappagli G, Perotto E, Antonini M, Morelli F, Ballante E, Galvani M, Figini S)

11.00 - 11.30 Coffee Break

- 11.30 - 11.45 Neonatal Visual Assessment Grid (NAVEG) a new tool for detecting preterms at risk of brain lesions: the validation study
(Strobio C, Maierba L, Rossi A, Gnesi M, Accorsi P, Martelli P, Chirico G, Fazzi E)
- 11.45 -12.00 Visual Function Classification System (VFCS) for children with cerebral palsy
(Baranello G, Signorini S, Tinelli F, Guzzetta A, Pagliano E, Rossi A, Foscan M, Tramacere I, Romeo D, Fazzi E, Cioni G, Mercuri E, Ricci D)
- 12.00 – 12.15 Development and validation of an assessment schedule for assessing autism in children with severe visual impairment (DAISY project)
(Dale N, Sakkalou E, Blekaitiene R)

12.15 - 12.30 Typical developmental trajectories of visual perception on the Cerebral Visual Impairment Tool for 3-to-6-year-olds
(*Vancleef K, Wagemans J, Ortibus E*)

12.30 - 13.30 Lunch

13.30 - 14.30 Poster session

Session 2 - Cerebral Visual Impairment (CVI)

Chair: Dale N. and Guzzetta A.

14.30 - 14.45 Relationship between brain structure and function and CVI outcomes on MRI in children with Cerebral Palsy: A systematic review
(*Philip SS, Guzzetta A, Chorna O, Gole G, Boyd RN*)

14.45 - 15.00 The prevalence of unrecognized CVI in children at primary school: cross –sectional survey and nested case-finding study
(*Williams C, Pease A, Warnes P, Harrison S, Clark R, Goodenough T, Self J, Ferris J*)

15.00 - 15.15 “My CVI” a serious game for psycho-education for children with CVI in the age of 6-12 years
(*Pilon-Kamsteeg F, Stokla-Wulfse M*)

15.15 - 15.30 Bridging the gap: parents’ and children’s experiences of living with CVI
(*Goodenough T, Pease A*)

15.30 - 16.00 Coffee Break

16.00 - 17.00 Keynote Lecture - Unresolved questions in visual development
(*Janette Atkinson & Oliver Braddick*)

17.00 - 17.15 Supramodal agnosia for oblique mirror orientation in patients with periventricular leukomalacia
(*Castaldi E, Tinelli F, Cicchini MG, Biagi L, Morrone MC*)

17.15 - 17.30 Eye tracking-based visual attention in children with (a high risk of) congenital or acquired brain damage
(*Kooiker MJG, Post A, Reiss IKM, Hendriksen JGM, Pel JJM*)

17.30- 18.45 AVDESK2: A telerehabilitation instrument for children with visual field defect
(*Tinelli F., Purpura G., Cioni G.*)

18.00 - 19.00 Concert

19.30 - 20.30 Welcome Dinner

JUNE 16, SUNDAY

8.45 -9.30 **Keynote Lecture – Clinical measurements of visual functions and assessment of processing disorders as a part of early intervention and special education**
(Lea Hyvarinen)

Session 3 – Space and Number Perception

Chair: O. Braddick and Arrighi R.

9.30 – 9.45 Motor influence in developing spatial cognition in children
(Agius-vella E, Gori M, Burr DC, Campus C, Petri S, Tinelli F)

9.45 – 10.10 Cortex Dependency in Space Perception in Children with Movement Disorder
(Sciutti A, Tinelli F, Gori M)

10.00 – 10.15 Emergence of a spontaneous sense of number in adults and preschoolers
(Cicchini GM., Anobile G., Guerrini G., Monti M., Del Lucchese B., Burr DC.)

10.15 – 10.30 The number sense and its link with child math abilities
(Anobile G., Cicchini GM., Gasperini F., Castaldi E., Turi M., Arrighi R., Burr D.)

10.30 – 11.00 **Coffee Break**

Session 4 - Visually Impaired and Blind children

Chair: Burr D. and Cocchi E.

11.00 – 11.15 The development of coherent spatial representations in blind and low vision children and the use of new technology
(Gori M, Cappagli G, Cuturi L, Giammari G, Zumiani R, Signorini S, Cocchi E)

11.15 – 11.30 Tactile remapping in the blind: developmental differences between sighted and visually impaired children
(Cappagli G, Perotto E, Saligari E, Luparia A, Gori M, Hoffman M, Signorini S)

11.30 – 11.45 The audio memory: a novel solution to evaluate cognitive abilities in blind children
(Setti W, Cuturi L)

11.45 – 12.00 Rehabilitation goals for visually impaired child to become an independent and aware adult: the Chiossone Institute Approach
(Cocchi E, Mirabelli Badenier M)

12.00 – 12.15 A new comprehensive rehabilitation approach for the visually impaired child: differentiation of intervention strategies depending on the visual deficit in four case reports
(Morelli F, Aprile G, Luparia A, Perotto E, Saligari E, Latronico C, Cappagli G, Signorini S)

12.15 – 12.30 **VISIBLE: Vision Intervention for Severely Impaired Babies: Learning through Enrichment - A study protocol**
(Bancale A, Chorna O, Boyd RN, Salt A, Gole G, Philip S, Novak I, Morgan C, Elliot C, Badawi N, Rose S,

Fripp J, Pannek K, Guzzetta A)

12.30- 13.30 Lunch

13.30 - 14.30 Poster Session

14.30 - 15.15 Keynote Lecture - Fundamentals of Ocular Nystagmus
(Paolo Nucci)

Session 5 – Ophthalmological Assessment

Chair: Fronius M. and Nucci P.

15.15 - 15.30 The impact of an eye drop booklet on distress in children and parents when getting eye drops
(Veen BSH, Pilon F)

15.30 - 15.45 Handled OCT in pediatric retinal evaluation
(Orazi L, Petrianni M, Ricci D, Molle F, Lepore D)

15.45- 16.00 Periodic assessment with optical coherence tomography in children treated with multimodal therapies for brain tumors
(Bacci G, Lucchesi M, Avery R, Caputo R, Ghin M, Guidi M, Ferraro MC, Mazzeo F, Genitori L, Defilippi, Bussolin L, Sardi I)

16.00 – 16.15 Retinal damage in methylmalonic aciduria: early detection by OCT
(Orazi L, Petrianni M, Amorelli GM, Galanti M, Martinelli D, Olivieri G, Lepore D, Dionisi Vici C, Ricci D)

16.15 - 16.30 Post-operative care for children with unilateral cataracts
(Skalicka M, Herynkova)

16.30 – 16.45 Ocular cranial nerves palsy
(Serafino M, Nucci P)

16.45 – 17.00 Lessons Learned in Early Intervention from Care of Children with Congenital Zika
(Lawrence L, Ventura C, Ventura L, Miller M)

17.00 – 17.15 Bifocals in Down syndrome
(De Weger C, Nienke Boonstra F, Goossens J)

17.15 Coffee

17.30 Leaving for Pisa

18.00 Walking tour from the Leaning Tower and Piazza dei Miracoli to Piazza dei Cavalieri

19.00 Galà Dinner in the “Cenacolo” of Chiesa di Santo Stefano dei Cavalieri

22.00 Luminara

JUNE 17, MONDAY

9.00 - 10.00 Keynote Lecture - *Visual cortex plasticity in normal sighted and amblyopic humans*
(*Claudia Lunghi*)

Session 6 – Visual perceptual difficulties and amblyopia

Chair: Morrone MC. and Caputo R.

10.00 - 10.15 The Austin Assessment: A tool to detect visual perceptual difficulties related to clutter
(*McDowell N*)

10.15 - 10.30 Vision and school performance in school children in Ireland
(*Harrington SC, O'Dwyer V*)

10.30 - 10.45 The relationship between accommodation and vergence in young hyperopes at risk for strabismus
(*Rowan Candy T, Neupane S, Wu Y, Sreenivasan V*)

10.45 - 11.15 Coffee Break

11.15-11.30 A fast interocular suppression test using dichoptic suppression
(*Yang YY, Schneider J, Triesch J*)

11.30-11.45 Perceptual Mechanisms and plasticity in Amblyopic Vision
(*Huang C, Shi YS, Zhao JZ, Yan FFY*)

11.45-12.00 Short-term deprivation of the amblyopic eye, combined with physical exercise, promotes long-term visual recovery in young amblyopic children
(*Fresina M, Lunghi C, Fariselli C, Sale A, Morrone MC, Campos EC*)

12.00 - 12.15 Human Infants' Ocular Motor Tracking of Unpredictable Stimuli Moving in Depth or the Fronto-parallel Plane
(*Rowan Candy T, Downey C, Pace G, Seemiller E, Stevenson S, Cormack L*)

12.15 - 13.00 Closing