

eTable 1. The outcome (visual acuity (VA), refraction and retinal outcome) in 18 children with ROP stage 4-5 in one or two eyes. Neonatal data and number of treatments included in the table.

	Max ROP RE / LE	Neonatal data	PNA at first treatment	Right eye	Left eye
1	3 / 5	GA 25+4 w BW 830 g BWSDS 0.2 Boy	11 w	VA: 0.4 logMAR +3.0 2 treatments	VA: LP Total detachment 1 treatment
2	5 / 3	GA 23+3 w BW 585 g BWSDS -0.2 Boy	19 w	No LP Total detachment 2 treatments	VA: 0.8 logMAR -9.9 D Dragged vessels 2 treatments
3	5 / 4B	GA 25+2 w BW 635 g BWSDS -1.0 Girl	12 w	VA: 1.0 logMAR -9.6 D 2 treatments	VA: 0.8 logMAR -12.5 D 2 treatments
4	3 / 5	GA 25+0 w BW 770 g BWSDS 0.2 Girl	12 w	Fixate and follow -13 D 2 treatments	No LP Total Detachment 1 treatment
5	3 / 5	GA 24+2 BW 756 BWSDS Boy	13 w	VA: 0.2 logMAR -1 D 4 treatments	No LP Total detachment 3 treatments
6	5 / 5	GA 24+3 w	11 w	No LP	No LP

		BW 637 g BWSDS 0.7 Boy		Total detachment 2 treatments	Total detachment 4 treatments
7	5/5	GA 29+4 w BW 1200 g BWSDS -0.4 Boy	7 w	No LP Total detachment Cataract 3 treatments	No LP Total detachment 3 treatments
8	5 / 3	GA 24+4 w BW 784g BWSDS Boy	10 w	No LP 5 treatments	VA: 0.8 logMAR ± 0 D Dragged vessels 4 treatments
9	4B / 4B	GA 22+1 w BW 490 g BWSDS 0.7 Girl	19 w	LP Total detachment 2 treatments	LP Partial detachment 2 treatments
10	3 / 4B	GA 25+5 w BW 870 g BWSDS 0.4 Boy	10 w	VA: 0.3 logMAR -4.5 D 3 treatments	VA: >1.0 logMAR -5.0 D Dragged vessels 3 treatments
11	4A / 4B	GA 24+0 w BW 670 g BWSDS 0.2 Boy	12 w	No fixation 3 treatments	VA: 1.5 logMAR -0.38 D 3 treatments
12	4A / 3	GA 27+1 w BW 934g BWSDS -0.2 Boy	15 w	VA: 1.0 logMAR -13.75 D 1 treatment	VA: 0.3 logMAR +0.25 D 0 treatment
13	4A / 3	GA 23+3 w BW 565 g	12 w	VA: 0.4 logMAR -2.125 D	VA: 0.4 logMAR -2.0

		BWSDS -0.4 Girl		1 treatment	1 treatment
14	4A / 4A	GA 27+1 w BW 1039 g BWSDS 0.4 Girl	14 w	VA: >1.0 logMAR +3.0 D Dragged vessels 2 treatments	VA: 0.7 logMAR +1.0 D Dragged vessels 2 treatments
15	3 / 4A	GA 25+2 w BW 782g BWSDS 0.1 Boy	10 w	VA: 0.9 logMAR -2.0 D Dragged vessels 2 treatments	VA: 0.9 logMAR -2.375 D Dragged vessels 2 treatments
16	4A / 4A	GA 22+5 w BW 533 g BWSDS -0.2 Girl	10 w	VA: 1.0 logMAR No data 3 treatments	VA: 0.5 logMAR -9.25 D 1 treatment
17	3 / 4A	GA 24+5 w BW 470g BWSDS -2.0 Girl	8 w	Fixate and follow binocular -13.0 D ONH 3 treatments	-10.375 D 3 treatments
18	4A / 3	GA 24+0 w BW 623 g BWSDS -0.3 Girl	10 w	No perception Detachment 5 treatments	VA: 0.9 logMAR -9.0 D Macular scarring 3 treatments

D=dioptries, LE=left eye, LP=light perception Max=maximum, PNA= postnatal age, ONH=optic nerve hypoplasia, RE= right eye, ROP=retinopathy of prematurity, VA= visual acuity, w = weeks

eTable 2. Type of strabismus in 82 of 215 children in which strabismus was assessed.

Type of strabismus	Number
Esotropia distance and/or near	59
Exotropia distance and/or near	16
Exotropia distance, Esotropia near	2
Vertical distance and near	1
Esotropia/vertical distance and/or near	2
Unknown	3

eTable 3. Statistically significant results of multivariable regression analyses of refraction performed after adjustment of age

	Odds Ratio	95% CI	P-value
Hypermetropia better eye			
Retreatment	0.25	(0.07-0.90)	0.033
Myopia better eye			
Retreatment	4.6	(2.31-10.43)	<0.001
Myopia worse eye			
Sex (boys vs girls)	2.24	(1.08-4.64)	0.03
BW (increase 100 g)	0.73	(0.54-0.97)	0.031
Astigmatism better eye			
Retreatment	4.34	(2.04-9.26)	<0.001
Anisometropia			
GA at birth	0.67	(0.51-0.86)	0.002
Any refractive error			
GA at birth	0.73	(0.61-0.89)	0.001
Retreatment	2.57	(1.31-5.06)	0.006

Hypermetropia defined as spherical equivalent (SE) more than 3 dioptres (D), Myopia defined as SE more than 3 D, astigmatism defined as more than 2 D, anisometropia defined as more than 2 D
 Any refractive error defined as hypermetropia more than 3 D and/or Myopia more than 3 D and/or astigmatism more than 2 D in the better eyes and/or anisometropia more than 2 D.
 CI=confidence intervals