| First Author, YearStudy NameScreening Test | Test-Retest Reliability  | Interrater Reliability | Comments or Other Measures of Reliability |
| --- | --- | --- | --- |
| Huang et al, 201388VIP Phase IIRetinomax; overall sample | NR | Mean (SD) [95% limits of agreement] of difference (Lay to nurse) Sphere: -0.04 (0.81) [-1.63 to 1.54]Cylinder: 0.00 (0.26) [-0.52 to 0.51]Spherical equivalent: -0.04 (0.82) [-1.65 to 1.56] | NA |
| Huang et al, 201388VIP Phase IIRetinomax; by age | NR | Mean (95% limits of agreement) of difference (Lay to nurse) *3 years old (N=722)*Sphere: -0.08 (-1.78 to 1.61)Cylinder: 0.01 (-0.47 to 0.50)Spherical equivalent: -0.08 (-1.80 to 1.64)*4 years old (N=1569)*Sphere: -0.03 (-1.58 to 1.53)Cylinder: 0.01 (-0.53 to 0.54)Spherical equivalent: -0.02 (-1.60 to 1.55)*5 years old (N=558)*Sphere: -0.03 (-1.54 to 1.48)Cylinder: -0.04 (-0.52 to 0.43)Spherical equivalent: -0.05 (-1.58 to 1.48) | NA |
| Huang et al, 201388VIP Phase IIRetinomax; by presence of SRE | NR | Mean (95% limits of agreement) of difference (Lay to nurse) *Yes, SRE present (N=737)*Sphere: -0.04 (-1.93 to 1.84)Cylinder: 0.04 (-0.57 to 0.66)Spherical equivalent: -0.02 (-1.93 to 1.89)*No, SRE not present (N=2112)*Sphere: -0.04 (-1.51 to 1.42)Cylinder: -0.02 (-0.48 to 0.45)Spherical equivalent: -0.05 (-1.54 to 1.44) | NA |
| Huang et al, 201388VIP Phase IIRetinomax; by spherical equivalent from gold standard exams | NR | Mean (95% limits of agreement) of difference (Lay to nurse) *≤ -0.5 D (N=125)*Sphere: 0.11 (-1.90 to 2.11)Cylinder: 0.06 (-0.77 to 0.90)Spherical equivalent: 0.14 (-1.90 to 2.17)*>-0.5, ≤ 1 D (N=1104)*Sphere: -0.03 (-1.46 to 1.40)Cylinder: -0.01 (-0.56 to 0.53)Spherical equivalent: -0.04 (-1.49 to 1.41)*>1, ≤ 2 D (N=1057)*Sphere: -0.04 (-1.65 to 1.57)Cylinder: 0.00 (-0.51 to 0.51)Spherical equivalent: -0.04 (-1.67 to 1.59)*>2 D (N=563)*Sphere: -0.10 (-2.25 to 2.05)Cylinder: 0.01 (-0.54 to 0.55)Spherical equivalent: -0.10 (-2.28 to 2.09) | NA |
| Huang et al, 201388VIP Phase IISureSight; overall sample | NR | Mean (SD) [95% limits of agreement] of difference (Lay to nurse) Sphere: 0.05 (0.78) [-1.48 to 1.58]Cylinder: 0.01 (0.30) [-0.58 to 0.60]Spherical equivalent: 0.06 (0.77) [-1.45 to 1.57] | NA |
| Huang et al, 201388VIP Phase IISureSight; by age | NR | Mean (95% limits of agreement) of difference (Lay to nurse) *3 years old (N=697)*Sphere: 0.07 (-1.57 to 1.71)Cylinder: 0.03 (-0.55 to 0.61)Spherical equivalent: 0.08 (-1.54 to 1.70)*4 years old (N=1503)*Sphere: 0.05 (-1.47 to 1.57)Cylinder: 0.005 (-0.62 to 0.63)Spherical equivalent: 0.05 (-1.45 to 1.55)*5 years old (N=529)*Sphere: 0.04 (-1.36 to 1.44)Cylinder: 0.004 (-0.52 to 0.52)Spherical equivalent: 0.04 (-1.34 to 1.42) | NA |
| Huang et al, 201388VIP Phase IISureSight; by presence of SRE | NR | Mean (95% limits of agreement) of difference (Lay to nurse) *Yes, SRE present (N=641)*Sphere: 0.05 (-1.51 to 1.61)Cylinder: 0.01 (-0.67 to 0.70)Spherical equivalent: 0.05 (-1.51 to 1.61)*No, SRE not present (N=2,088)*Sphere: 0.05 (-1.46 to 1.57)Cylinder: 0.01 (-0.55 to 0.57)Spherical equivalent: 0.06 (-1.43 to 1.55) | NA |
| Huang et al, 201388VIP Phase IISureSight; by spherical equivalent from gold standard exams | NR | Mean (95% limits of agreement) of difference (Lay to nurse) *≤ -0.5 D (N=108)*Sphere: -0.16 (-1.62 to 1.29)Cylinder: 0.02 (-0.91 to 0.95)Spherical equivalent: -0.15 (-1.79 to 1.49)*>-0.5, ≤ 1 D (N=1,073)*Sphere: 0.06 (-1.37 to 1.49)Cylinder: 0.02 (-0.60 to 0.63)Spherical equivalent: 0.07 (-1.32 to 1.45)*>1, ≤ 2 D (N=1,036)*Sphere: 0.05 (-1.67 to 1.76)Cylinder: 0.01 (-0.61 to 0.63)Spherical equivalent: 0.05 (-1.64 to 1.74)*>2 D (N=512)*Sphere: 0.10 (-1.73 to 1.94)Cylinder: -0.01 (-0.63 to 0.61)Spherical equivalent: 0.10 (-1.72 to 1.92) | NA |

Abbreviations: D=diopter; NA=not applicable; NR=not reported; SD=standard deviation; SRE=significant refractive error; VIP=Vision In Preschoolers.