

# Appendix 3: Visual Assessment Scale CVI-PIMD filling in form

Cerebral Visual Impairment in persons with Profound Intellectual and Multiple Disabilities

Name	
Age	
Observation dates	
Observer(s) name and position	

<b>Level 1 -Total deficit of vision/ Blindness</b>	<b>yes</b>	<b>no</b>	<b>other/n.a.</b>
<b>1.1</b> No reaction to visual stimuli ever			

<b>Level 2 -Profound visual impairment/ Functional Blindness</b>	<b>yes</b>	<b>no</b>	<b>other/n.a.</b>
<b>2.1</b> Reacts to light-stimuli in a darkened room by targeted looking behaviour			
<b>2.2</b> Reacts to stilling or looking in one general direction by strong visual stimuli in a normally lit room			
<b>General looking behaviour and visual skills:</b>			
<b>2.3</b> Very short fixation (less than 1 count)			
<b>2.4</b> Minimal ability for visual pursuit (not always occurring)			

<b>Level 3 -Severe impairment/ Exogenous attention system</b>	<b>yes</b>	<b>no</b>	<b>other/n.a.</b>
<b>3.1</b> Reacts to strong visual stimuli in broad daylight, with targeted visual behaviour			
<b>3.2</b> Can perceive a visual stimulus when it is offered in the field of vision, does not actively search for visual stimuli			
<b>3.3</b> Shows visual attention in broad daylight when triggered by:			
A. Moving objects or persons			
B. An auditory stimulus			
<b>3.4</b> Makes eye contact incidentally			
<b>3.5</b> Is able to show preference for certain stimuli, without clear indication of recognition.			
<b>General looking behaviour and visual skills:</b>			
<b>3.6</b> Range of vision is limited, up to arm's length			
<b>3.7</b> Short fixation (1-2 counts)			
<b>3.8</b> Limited visual pursuit			

<b>Level 4 – Moderate impairment/ Basic perception and active visual attention system</b>	<b>yes</b>	<b>no</b>	<b>other/n.a.</b>
<b>4.1</b> Actively looks for visual stimuli (that are of interest)			
<b>4.2</b> Looks at objects from daily life in an interested way, without attention or hardly any attention to details			
<b>4.3</b> Visually follows a toy that falls to the ground (object permanence)			
<b>Recognition:</b>			
<b>4.4</b> Recognises 1 to 10 daily objects, e.g. cup, cleaning cloth or spoon and reacts adequately, without auditory or tactile input			
<b>4.5</b> Recognises familiar faces without auditory input, (heightened alertness, smiling, reaching, etc.)			
<b>4.6</b> Recognises (favourite) toy, without auditory input and reacts adequately			
<b>4.7</b> Recognises areas when, more or less by accident, entering them (basic spatial orientation)			
<b>General looking behaviour and visual skills:</b>			
<b>4.8</b> Looking into a distance to approximately 1 meter, moving persons are followed up to 2-3 meters			
<b>4.9</b> Visual pursuit is present			
<b>4.10</b> Shifting gaze is present			
<b>4.11</b> Makes eye contact regularly			

<b>Level 5 – Mild impairment/extended visual recognition</b>	<b>yes</b>	<b>no</b>	<b>other/n.a.</b>
<b>5.1</b> Visually alert: actively monitors the surroundings visually			
<b>5.2</b> Some attention for details, e.g. sees crumbs on the table			
<b>5.3</b> Seeks eye contact at a distance (beyond 50 cm)			
<b>Visual recognition /selective attention</b>			
<b>5.4</b> Recognises over 10 objects			
<b>5.5</b> Recognises objects and familiar persons in photographs that are not too crowded			
<b>5.6</b> Searches for a certain object among a limited amount of objects.			
<b>5.7</b> Is able to orient him/herself in familiar surroundings			
<b>General looking behaviour and visual skills:</b>			
<b>5.8</b> Looking distance is up to 2-3 meters, visual acuity permitting			
<b>5.9</b> Uses vision in communication (reacts to mimics and gestures)			
<b>5.10</b> Tries to get an overview while looking actively around a room			
<b>5.11</b> Fixation, pursuit and shifting gaze are well developed, scanning may have started			

<b>Level 6 –No impairment /Normal visual functioning</b> (appropriate for developmental age of 24 months)	<b>yes</b>	<b>no</b>	<b>other/n.a.</b>
<b>Visual recognition/selective attention</b>			
<b>6.1</b> Actively looks for favourite toys that are not visible (sign of visual memory)			
<b>6.2</b> When an object is pointed out in the distance the person will see it			
<b>6.3</b> Understanding of visual closure (e.g. recognises a bicycle when only seeing the handlebar)			
<b>6.4</b> Shows joint attention. (e.g. makes eye contact and shows a toy, points out at an object or brings it to show).			
<b>6.5</b> Imitating behaviour (e.g. waving, smiling, crinkling his/her nose)			

