Waggoner CCVT vs. Traditional Books







| | Waggoner CCVT | Ishihara | HRR |
|---|---------------|----------|--------------|
| Screening | 1 | 1 | 1 |
| Genetic (8% of males, .5% of females) | ✓ (25 Plates) | 1 | ✓ (4 Plates) |
| Acquired (15% general population) | ✓ (12 Plates) | × | ✓ (2 Plates) |
| Diagnostic (Extended) | 1 | × | × |
| Qualitative (Type of deficiency)* | ✓ | × | Limited |
| Protan* | 1 | × | Limited |
| Deutan* | ✓ | × | Limited |
| Tritan* | 1 | × | Limited |
| Quantitative (Degree of deficiency)* | 1 | × | Limited |
| Mild* | 1 | × | Limited |
| Moderate* | 1 | × | Limited |
| Severe* | 1 | × | Limited |
| Satisfies CPT 92283 | 1 | × | × |
| Easy access to ICD-10 Codes | 1 | × | × |
| Adaptive Testing (Save time) | 1 | × | 1 |
| Standardized (Timed plates) | 1 | × | × |
| Randomized (Reduces memorization) | 1 | × | × |
| Self-Administered (Remove administrator bias) | 1 | × | × |
| Self-Scored | 1 | × | × |
| Comparable to the Nagel Anomaloscope (Diagnostic Gold Standard) | 1 | × | × |
| Accepted by U.S. Army, Navy, Coast Guard, and Marines | 1 | × | × |
| 21st Century | 1 | × | × |
| Measures progession over time for acquired defieciencies | 1 | × | × |
| Audio options available | 1 | × | × |
| Easy to save to EMR | 1 | × | × |
| Patient database with past results | 1 | × | × |
| Pediatric | 1 | × | 1 |
| Tests for malingering | 1 | × | 1 |
| Invalid and unreliable counterfeits have flooded market | × | 1 | × |

* Additional test plates increase sensitivity and specificity Waggoner CCVT: 102 Test Plates Ishihara: 14, 24, 38 Test Plate Versions HRR: 20 Test Plates