The first time we played tennis
The moment our hands touched
Hearing the words Multiple Sclerosis

Now a NEW Toolset to assist in the EVALUATION and TRACKING of your patients’ status

Developed in consultation with
Ralph H. Benedict Ph.D

MSPA TOOLS
Multiple Sclerosis Patient Assessment Tools

Marketed by CNS Vital Signs
MSPA Tools: Simplify, Standardize and Automate the Assessment of Patient and Caregiver Described Multiple Sclerosis Neuropsychological Issues

The Multiple Sclerosis Patient Assessment (MSPA) Toolset was developed with the clinician in MIND. The toolset contains valid and reliable assessment tools for Multiple Sclerosis patients.

The MSPA Tools Tablet App contains:
- MS Neuropsychological Questionnaire Patient (MSNQP) SF-15
- MS Neuropsychological Questionnaire Informant (MSNQI) SF-15
- MS Vocational Accommodations Survey (MSVAS)
- Modified Fatigue Impact Scale (MFIS)
- Center for Epidemiologic Studies Depression Scale (CESD)
- Medical Outcomes Survey (MOS) SF-36
- Patient Health Questionnaire (PHQ-9)

Each Tool produces an auto-scored report. Collect important data in the waiting room or exam room auto-scored report. The MSPA Tools Assessment Platform was developed in consultation with Dr. Ralph Benedict the MSNQ and Vocational Accommodations Tools Author.

About MS Neuropsychological Questionnaire
Neuropsychological abnormalities are common in multiple sclerosis (MS), but unlike motor and sensory deficits, their measurement in the clinical setting can be difficult and expensive. Consequently, screening and assessment methods are not applied routinely, and in some settings not at all. The MSNQ was developed to be a reliable assessment of patient and informant perceptions of neuropsychological problems.

Why MSPA Tools and CNS Vital Signs Testing?
Cognitive impairment in multiple sclerosis (MS) is common, and is associated with lower health-related quality of life and higher unemployment rates. Accurate diagnosis of cognitive impairment requires performance-based neuropsychological assessment, which can be time-consuming and costly. Thus, brief and accurate cognitive tests to screen for or monitor neuropsychological status would allow clinicians to identify those patients with MS who require more detailed neuropsychological testing or attention to neurobehavioral signs. 6
**MS Neuropsychological Questionnaire Report**

**MS Neuropsychological Questionnaire (MSNQ) Brief Interpretation:**

While performance based testing is most valid for predicting a patient’s capacity for ADLs and work, the patient’s perspective on their own functioning is nevertheless important for understanding quality of life and concerns about mental status. Comparing patient and informant MSNQ scores can provide further context for interpreting patient neuropsychological complaints. Under-reporting cognitive problems relative to caregivers often suggests severe impairment or dementia, whereas the opposite pattern suggests exaggeration of problems secondary to depression.

A z-score less than 0 represents an element less than the mean.
A z-score greater than 0 represents an element greater than the mean.
A z-score equal to 0 represents an element equal to the mean.

**Vocational Accommodation Survey Tool Report**

**Vocational Tool Interpretation:**

These indicators reflect the quality and frequency of work problems and the use of accommodations as a result of MS disability. Patients with many problems may be at risk for losing their job, and as a result need further consultation regarding working with employers to obtain accommodations, or seeking disability benefits.
How to Begin:

Purchase at the Apple iPad App Store... It is Simple and Quick.
Go to the Apple iPad Store and search for MSPA Tools. Follow the instructions on the webpage. Each iPad device will be granted unlimited use of the MSPA Tools thru an annual subscription. To LEARN MORE... Contact us at support@cnvs.com or 888.750.6941

Summary: MSPA Tools Helps Clinicians...

Evaluate and Track Possible Neuropsychological Impairment
Evaluate and Track Vocational Status
Evaluate and Track Possible Comorbidities e.g., Fatigue, Depression
Add Practice Efficiency and Procedure Reimbursement Revenue

...plus give the CNS Vital Signs Rapid, ‘Brief-Core’ In-Office Neurocognitive Testing Procedure to identify and track patients that may have neurocognitive impairment and need additional care management or a referral.

Special MSPA Tools Offer:
Consider adding computerized cognitive testing with the use of the MSPA Tools. Sign-up at www.CNSVS.com and use the PROMO CODE ‘MSPA14’ and receive unlimited FREE evaluation or pilot tests until October 31st 2014. After purchasing the MSPA Tools just REGISTER, DOWNLOAD, and INSTALL the CNS VS App on your testing computer(s) and begin your free testing trial.

MSNQ and Vocational Accommodations Survey Tool Bibliography:
2. Ralph HB Benedict, Darcy Cox, Laetitia L Thompson, Fred Foley, Bianca, Weinstock-Guttman and Frederick Munschauer, Reliable screening for neuropsychological impairment in multiple Sclerosis, Multiple Sclerosis 2004; 10: 675 -678
5. S Vanotti, RHB Benedict, L Acion, F Cáceres and and VANEM Workgroup, Validation of the Multiple Sclerosis Neuropsychological Screening Questionnaire in Argentina, Mult Scler 2009; 15; 244
6. Forrestal and RHB Benedict, SA Morrow, PW O’Connor, CH Polman, AD Goodman, L Kappos, FD Lublin, RA Rudick, S Jurgensen, D Paes, F, 2010, Evaluation of the symbol digit modalities test (SDMT) and MS neuropsychological screening questionnaire (MSNQ) in natalizumab-treated MS patients over 48 weeks, Mult Scler 2010 16: 1385

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