

DEWS	DRY EYE: DIAGNOSTIC TEST TEMPLATE	
RAPPORTEUR	Barbara Caffery	22th Oct 2004
TEST	OSDI: Ocular Surface Disease Index	
TO DIAGNOSE	Any form of dry eye and its severity. A rapid assessment of ocular irritation consistent with dry eye disease and its impact on vision related functions.	REFERENCES
VERSION of TEST	[V1] Details available from Allergan in a web-based version	
DESCRIPTION	This 12-item questionnaire asks patients to grade and describe their ocular symptoms over a 2 to 4 week period prior to the visit.	
CONDUCT of TEST	Self-administered. The booklet is given to the patient and they are asked to fill in the answers to the best of their ability. The 12 items are graded on a scale of 0 to 4. 0 is none of the time, 1 is some of the time, 2 is half of the time, 3 is most of the time and 4 is all of the time. Scoring: The OSDI score = [(sum of the scores for all questions answered x 100)/[(total number of questions answered) x4]. Thus scale is from 1 to 100, with higher scores representing greater disability.	
Web Video	NA	
Materials:	<ul style="list-style-type: none"> The OSDI questionnaire is available from Allergan pharmaceuticals. 	
Diagnostic value	This version: [x] The OSDI was validated by comparing it to the NEI VFQ 25, the McMonnies questionnaire and the Short Form-12 Health Status Questionnaire. The OSDI was reliable (Cronbach-alpha), ranging from good to excellent for the overall instrument. The OSDI was valid and effective in discriminating between mild to moderate and severe dry eye, as defined by physician assessment and a disease severity score. The OSDI also correlated well with the McMonnies and NEI questionnaires and the use of artificial tears.	Schiffman et al. 2000
Repeatability	Intra-observer agreement. [] Inter-observer agreement. []	
Sensitivity	(true positives) []	
Specificity	(100 – false positives) []	
Test problems	General availability?.	
Test solutions		
Glossary	OSDI = Ocular Surface Disease Index	

References

McMonnies C. Patient history in screening for dry eye conditions. *J Am Optom Assoc* 1987;58: 296-301.

McMonnies C. Responses to a dry eye questionnaire from a normal population. *J Am Optom Assoc* 1987; 58: 588-589.

Mangione C, et al. Psychometric properties of the National Eye Institute Visual Function Questionnaire (NEI-VFQ). NEI-VFQ Field Test Investigators. *Arch Ophthalmol* 1998;**116**: 1496-1504.

Schiffman R, et al. Reliability and validity of the Ocular Surface Disease Index. *Arch Ophthalmol* 2000;118: 615-621.