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MEMORANDUM

DATE: December 12, 2014

TO: HHS and SJH Physicians, IDMM Residents, HHS and SJH Pharmacists

CC: Microbiologists, Microbiology Laboratory, D. Johnson, J. Korver

FROM: Dr. D. Yamamura

RE: CHANGES IN YEAST SUSCEPTIBILITY REPORTING

Reporting of yeast susceptibility testing will be changed as of December 12, 2014. Although the methodology currently used has not changed, reporting breakpoints (susceptible, susceptible dose dependent, intermediate and resistant) will be different based on the *Candida* species isolated. When there are no guidelines for interpretation of an antifungal or for less common *Candida* species, the minimum inhibitory concentration (MIC) will only be reported.

The laboratory will continue to perform susceptibility testing routinely for all blood culture and sterile fluid isolates of *Candida* species other than *C. albicans* and *C. parapsilosis*. If susceptibility testing is required for *C. albicans* or *C. parapsilosis*, please contact the microbiology laboratory.

The modified interpretive breakpoints as per guidelines (CLSI M27-S4) are as follows:

Organism	Fluconazole			Voriconazole			Caspofungin			Anidulafungin		
	S	SDD	R	S	SDD	R	S	I	R	S	I	R
<i>C. albicans</i> *	≤ 2	4	≥ 8	≤0.12	0.25-0.5	≥1	≤0.25	0.5	≥1	≤0.25	0.5	≥1
<i>C. parapsilosis</i> *	≤ 2	4	≥ 8	≤0.12	0.25-0.5	≥1	≤ 2	4	≥ 8	≤ 2	4	≥ 8
<i>C. tropicalis</i>	≤ 2	4	≥ 8	≤0.12	0.25-0.5	≥1	≤0.25	0.5	≥1	≤0.25	0.5	≥1
<i>C. glabrata</i>	-	≤ 32	≥ 64	-	-	-	≤0.12	0.25	≥0.5	≤0.12	0.25	≥0.5
<i>C. krusei</i>	**	-	-	≤0.5	1	≥2	≤0.25	0.5	≥1	≤0.25	0.5	≥1
<i>C. guilliermondii</i>	-	-	-	-	-	-	≤ 2	4	≥ 8	≤ 2	4	≥ 8

S=Susceptible, SDD= Susceptible Dose Dependent, I=Intermediate, R=Resistant

* Susceptibility performed upon request

**Intrinsically resistant to Fluconazole

For any questions, please contact Dr. D. Yamamura (ext 46111).