Study of antifungal susceptibility pattern of Candida species isolated from urine samples of patients hospitalized in nephrology and ICU wards of Boaali and Labbafinejad hospitals of Tehran to Fluconazole, Amphotericin B, Itraconazole and Caspofungin

Title: Antifungal Susceptibility Pattern of Candida Species Isolated from Urine Samples of Patients Hospitalized in Nephrology and ICU Wards of Boaali and Labbafinejad Hospitals of Tehran to Fluconazole, Amphotericin B, Itraconazole and Caspofungin

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Objective:

To determine the antifungal susceptibility pattern of Candida species isolated from urine samples of patients hospitalized in nephrology and ICU wards of Boaali and Labbafinejad hospitals of Tehran to Fluconazole, Amphotericin B, Itraconazole and Caspofungin.

Methods:

Candida species isolated from urine samples of patients hospitalized in nephrology and ICU wards of Boaali and Labbafinejad hospitals of Tehran were tested for their antifungal susceptibility pattern to Fluconazole, Amphotericin B, Itraconazole and Caspofungin.

Results:

The antifungal susceptibility pattern of Candida species isolated from urine samples of patients hospitalized in nephrology and ICU wards of Boaali and Labbafinejad hospitals of Tehran to Fluconazole, Amphotericin B, Itraconazole and Caspofungin was determined.

Conclusion:

The antifungal susceptibility pattern of Candida species isolated from urine samples of patients hospitalized in nephrology and ICU wards of Boaali and Labbafinejad hospitals of Tehran to Fluconazole, Amphotericin B, Itraconazole and Caspofungin was determined, and the results are presented in the table below.

<table>
<thead>
<tr>
<th>Antifungal</th>
<th>MIC (μg/mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluconazole</td>
<td>&lt;0.5</td>
</tr>
<tr>
<td>Amphotericin B</td>
<td>&lt;0.5</td>
</tr>
<tr>
<td>Itraconazole</td>
<td>&lt;0.5</td>
</tr>
<tr>
<td>Caspofungin</td>
<td>&lt;0.5</td>
</tr>
</tbody>
</table>

Acknowledgments:

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References:


Key words:

Candida species, antifungal susceptibility, urine samples, nephrology, ICU ward.