Table 1. Demographic variables and clinical diagnosis of studied group

Item	No.=30
Age (days) [*]	36 (11-231)
Gestational age (week)[*]	32 (24-40)
≤ 28 week[**]	11 (36.7)
28-37 week[**]	10 (33.3)
>37 week[**]	9 (30)
Gender[**]	
Male	19 (63.3)
Birth weight [*] **(gram)**	2125 (440-3800)
Prematurity[**]	21 (70)
Prematurity and necrotising enterocolitis[**]	10 (33.3)
Congenital heart disease[**]	7 (23.3)
Congenital anomaly [**]	3 (10)
<u>Ichthyosis</u>[**]	2 (6.7)
Congenital pneumonia[**]	1 (3.3)
Fetal hypoxia[**]	1 (3.3)

[*]Median (min-max), [**]n (%)

Table 2. Risk factors for invasive candidiasis

Item	No.=30
Extended spectrum antibiotic usage	30 (100)
Orogastric drainage	30 (100)
Mechanical ventilation	29 (96.7)
Total parenteral nutrition	28 (93.3)
Presence of central venous catheter	26 (86.7)
Premature rupture of membranes	20 (66.7)
Antenatal steroid usage	17 (56.7)
Fluconazole prophylaxis	16 (53.3)
History of surgery	16 (53.3)
Neutropenia	1 (3.3)

Table 3. Antifungal resistance pattern and MIC values of Candida spp. isolated from sterile samples

Cultured Candida spp.	Fluconazole	Caspofungin	Micafungin	Amphotericin B	Anidulafungin	Prior antifungal treatment	Culture negativity (days)
Candida glabrata	resistant (12µg/ml)	intermediate resistant (0.25µg/ml)	sensitive (0.002µg/ml)	resistant (1.5µg/ml)	sensitive (0.016 µg/ml)	-	5
Candida glabrata	resistant (12µg/ml)	sensitive	sensitive (0.008µg/ml)	sensitive (1µg/ml)		fluconazole	11
Candida glabrata	resistant	sensitive	sensitive	resistant		-	8
Candida parapsilosis	sensitive	intermediate resistant	sensitive	sensitive		-	6
Candida parapsilosis	sensitive	intermediate resistant	sensitive	sensitive		fluconazole	4
Candida guilliermondii	sensitive	sensitive	sensitive	sensitive		fluconazole	3
Candida albicans	sensitive	sensitive	sensitive	sensitive		fluconazole	9
Candida albicans	sensitive	sensitive	sensitive	sensitive		-	1

MIC: Minimal inhibitory concentration

Table 4. **Laboratory change before and after Micafungin treatment**

Item	Before treatment	After treatment	p- value
Serum AST (IU/L)	28 (13-257)	37 (18-89)	0.86
Serum ALT (IU/L)	14 (6-180)	16 (6-50)	0.74
Serum creatinin (mg/dL)	0.5 (0.3-3.4)	0.5 (0.4-2.1)	0.42
Serum sodium (mmol/L)	136 (123-147)	136.5 (131-146)	0.56
Serum potassium (mmol/L)	4.4 (3.2-5.9)	4.37 (2.9-5.7)	0.14
Hemoglobin (gr/dL)	11.2 (6-15.1)	10.9 (7.3-14.5)	0.44
Leucocyte (x10^3/µL)	9.1 (3.2-33)	10.6 (2.1-47.6)	0.58
Trombocyte (x10^3/µL)	196.5 (17-613)	272 (19-937)	0.003*

*significant