

Efficacy and Safety of Rezafungin, A Long-Acting Echinocandin

Richard L. Hengel, MD, FIDSA¹;
Brian Metzger, MD, MPH²;
Erika M. Young, DO³; Kent J. Stock, DO⁴;
Joseph F. John, Jr., MD, FACP, FIDSA⁴;
Kimberly A. Couch, PharmD, MA, FIDSA⁵;
Christina Weeks, PharmD⁵;
Lucinda J. Van Anglen, BS, PharmD, FIDSA⁵

¹Atlanta ID Group, Atlanta GA; ²Austin Infectious Disease Consultants, Austin, TX; ³Infectious Disease Specialists, Valparaiso, IN; ⁴Low Country Infectious Disease, Charleston, SC, ⁵Healix Infusion Therapy, Sugar Land, TX

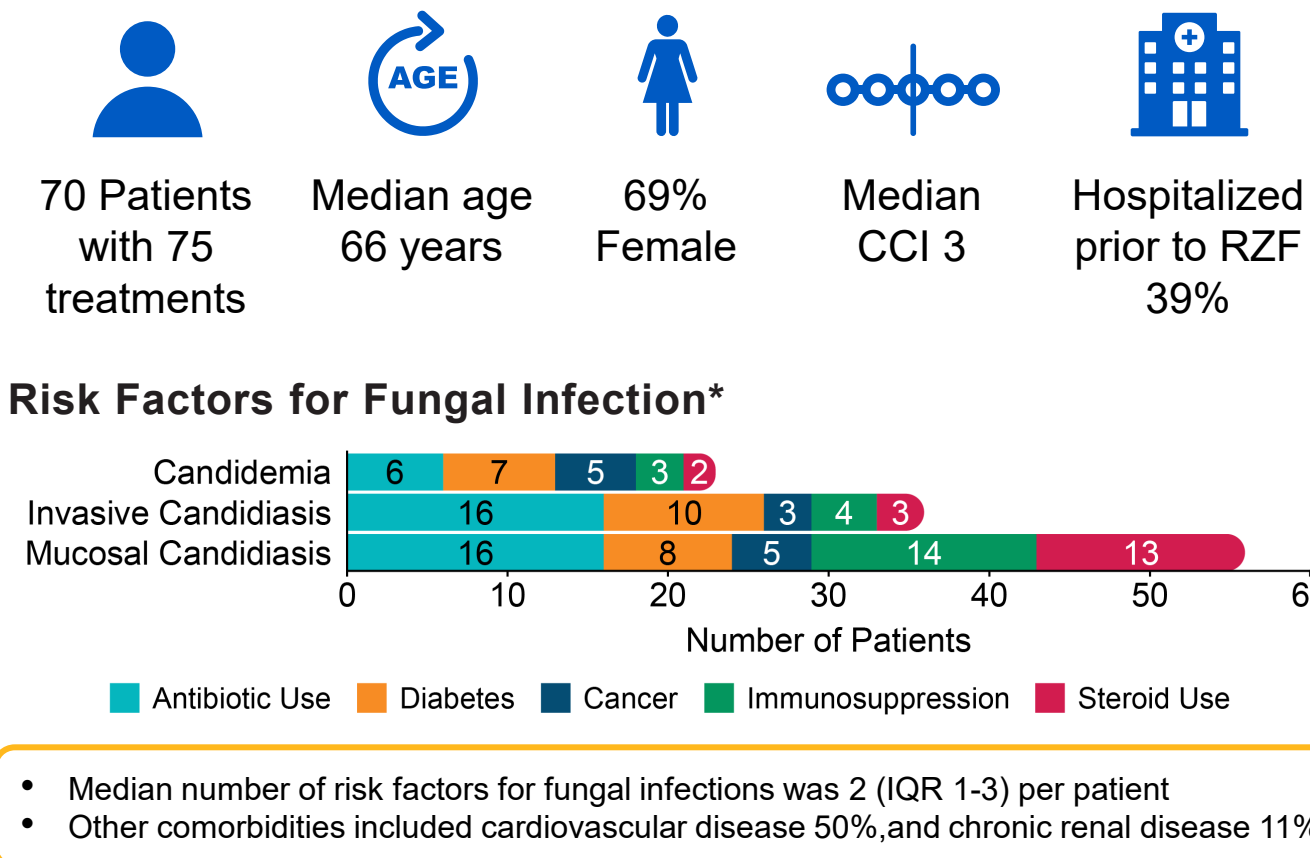
KEY FINDINGS

- Rezafungin is demonstrated to be safe, well-tolerated and effective for treatment of candidemia, invasive candidiasis and mucosal candidiasis in the real-world.
- Outcomes were successful in all diagnostic areas, including mucosal candidiasis, which has not been studied in depth.
- The cohort was at high risk for Candida infections, comorbid and heavily treatment experienced.
- As a long-acting weekly echinocandin, rezafungin is favorable for outpatient treatment of patients with fungal infections.

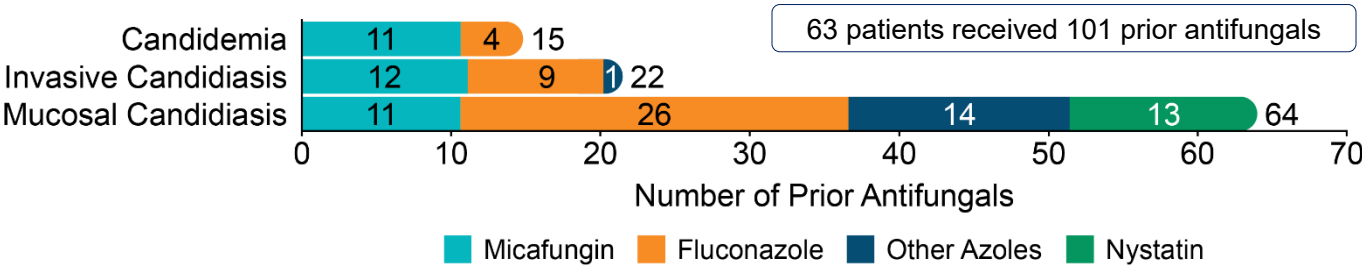
Introduction

- Rezafungin (RZF) is a novel, next generation, long-acting intravenous echinocandin that was approved by the FDA in March 2023 for adult patients with candidemia and invasive candidiasis with safety established for up to 4 weekly doses.
- The once weekly dosing regimen is advantageous in outpatient settings, eliminating the requirement for central venous catheters and daily medication administration.
- This real-world study evaluates the use of rezafungin in Infectious Disease outpatient infusion centers, both as community initiation therapy and continuation therapy following hospitalization.

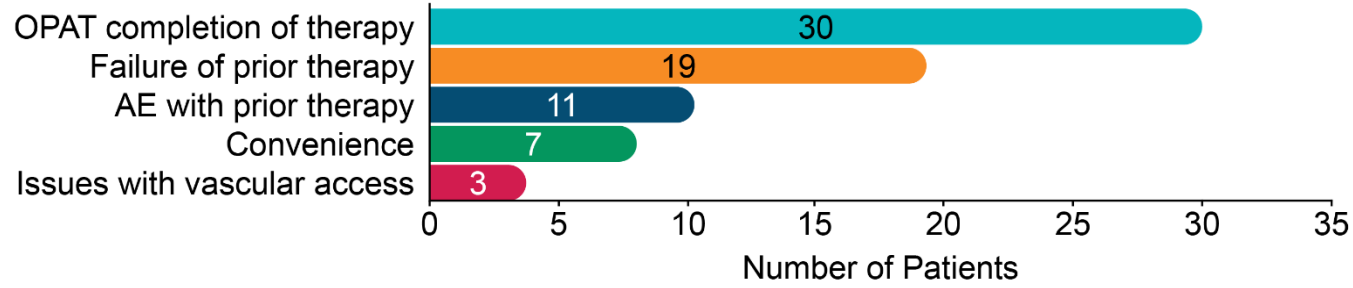
Study Cohort



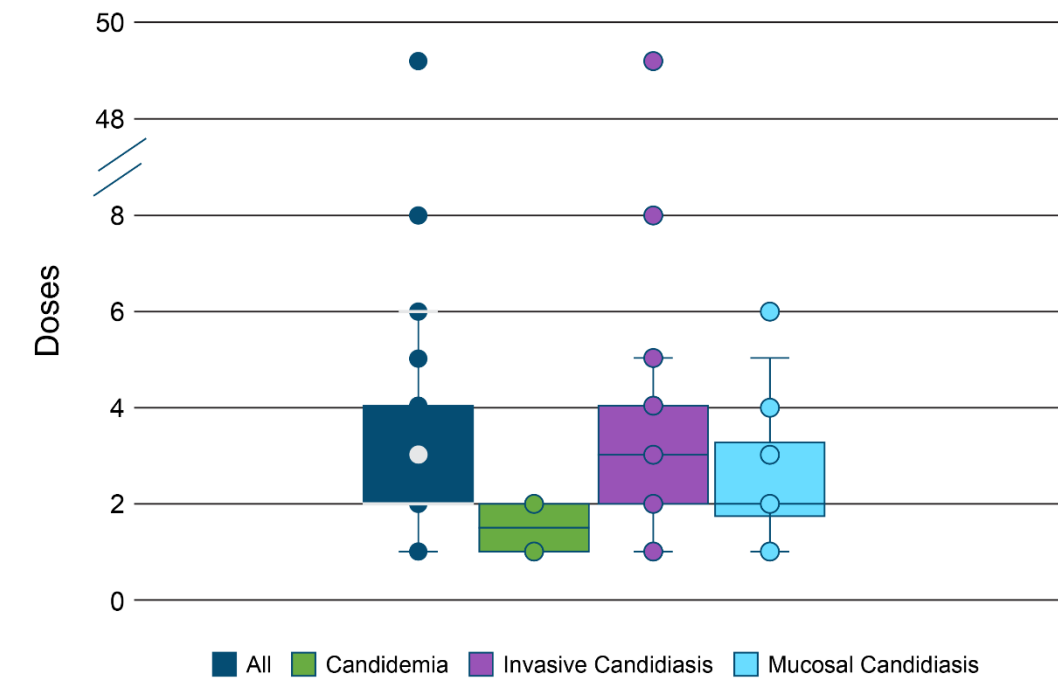
Prior Therapy by Diagnostic Group



Prescriber Reasons for Use of Rezafungin



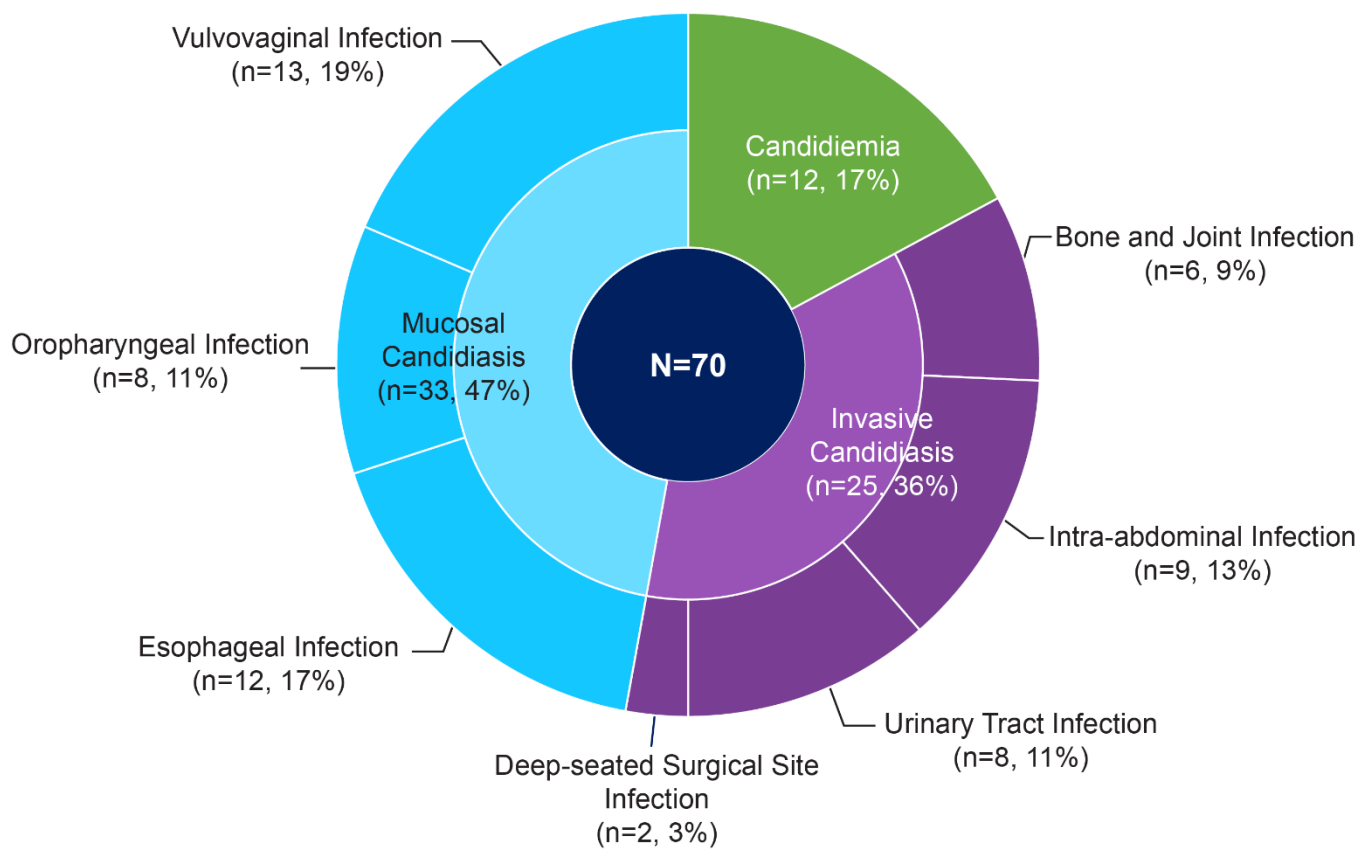
Median Duration of Rezafungin Therapy



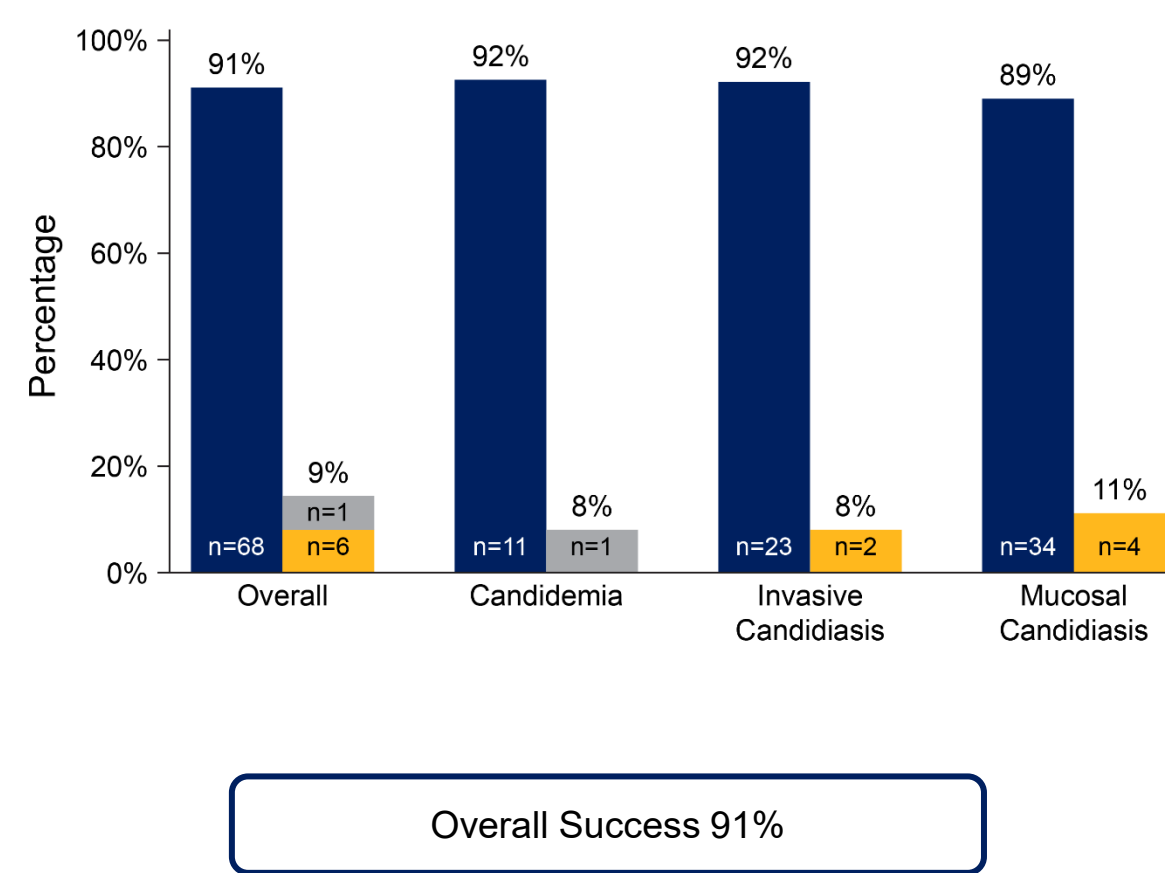
- Median doses for all 75 treatment courses were 2 (IQR 2-4) with longer term therapy in invasive candidiasis (BJJ) in 2 patients, both with successful outcomes.
- 9 patients received > 4 weekly doses.
- All patients received loading doses of 400mg, including those transitioning from the hospital.

Results

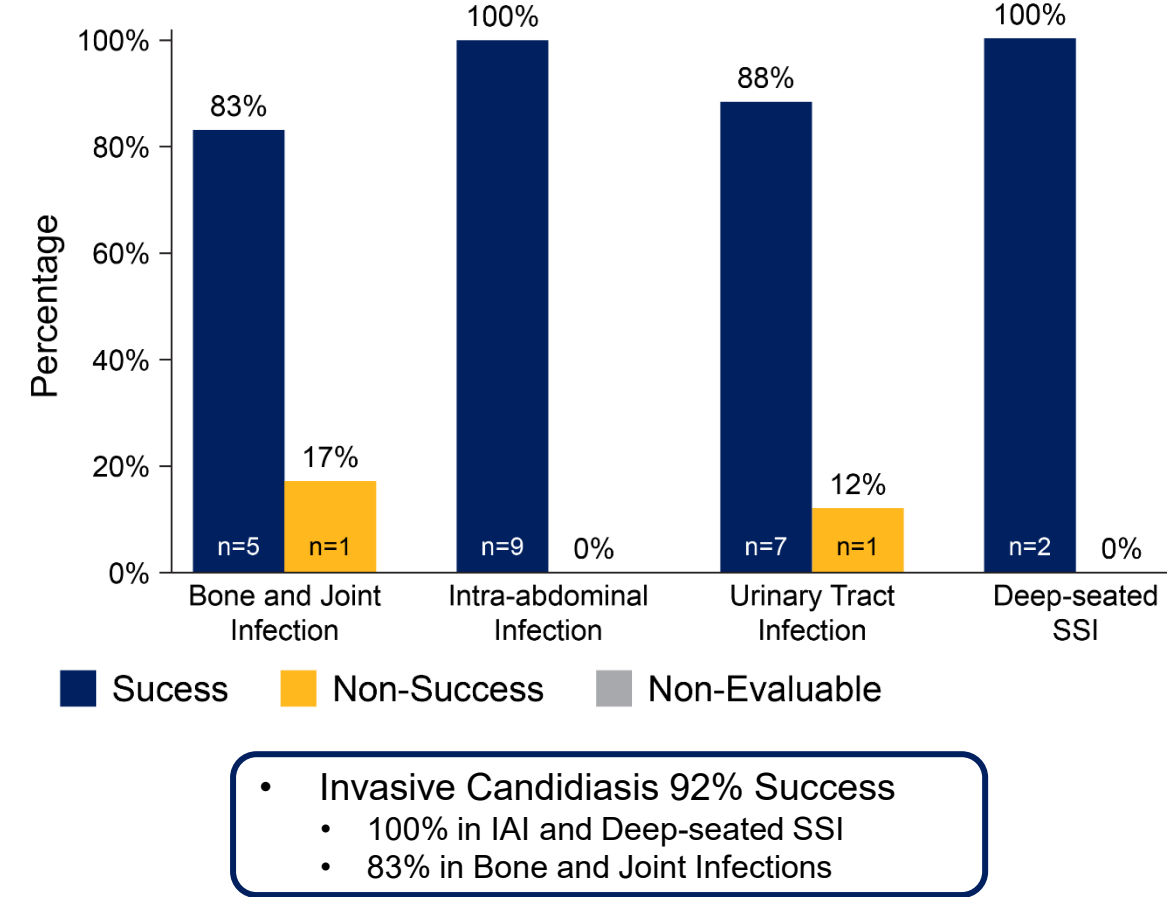
Infection by Diagnostic Group



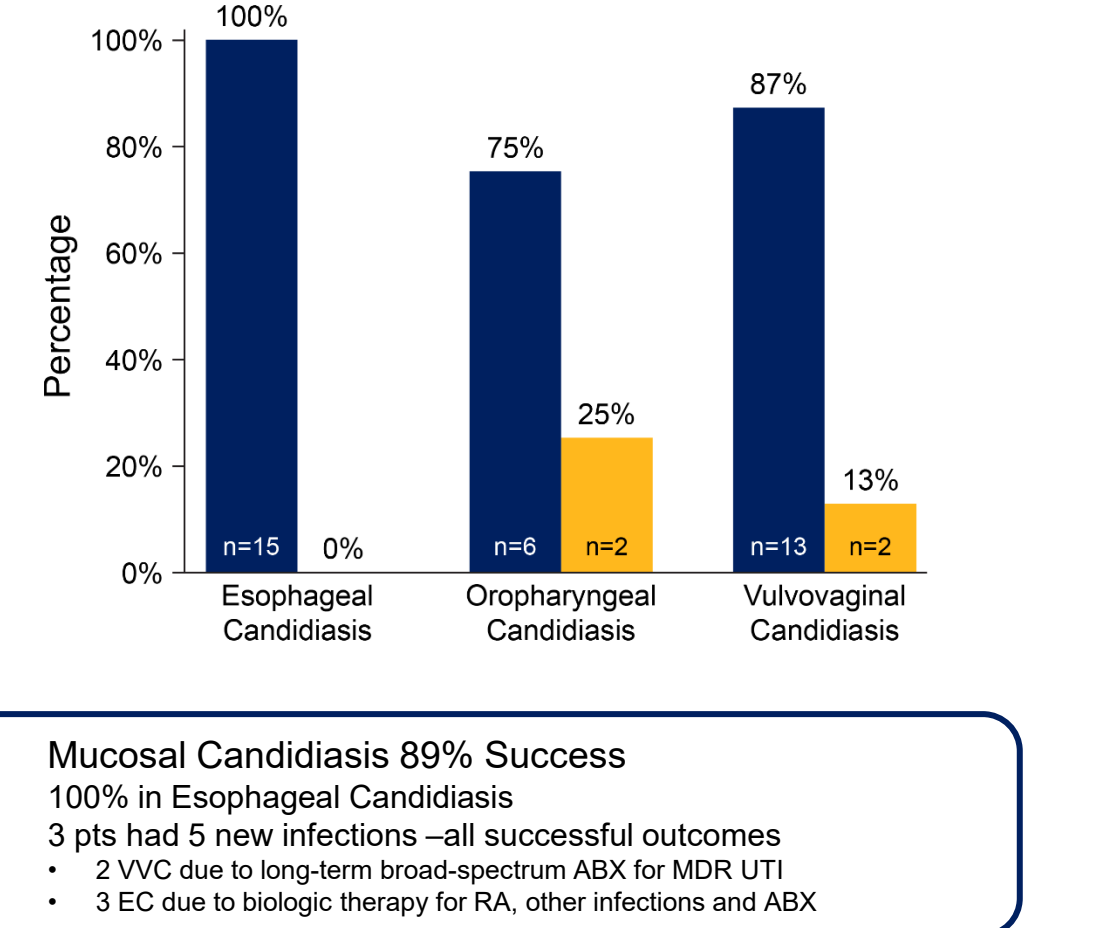
Outcome by Diagnosis (n=75 treatment courses)



Outcome by Infection Type for Invasive Candidiasis

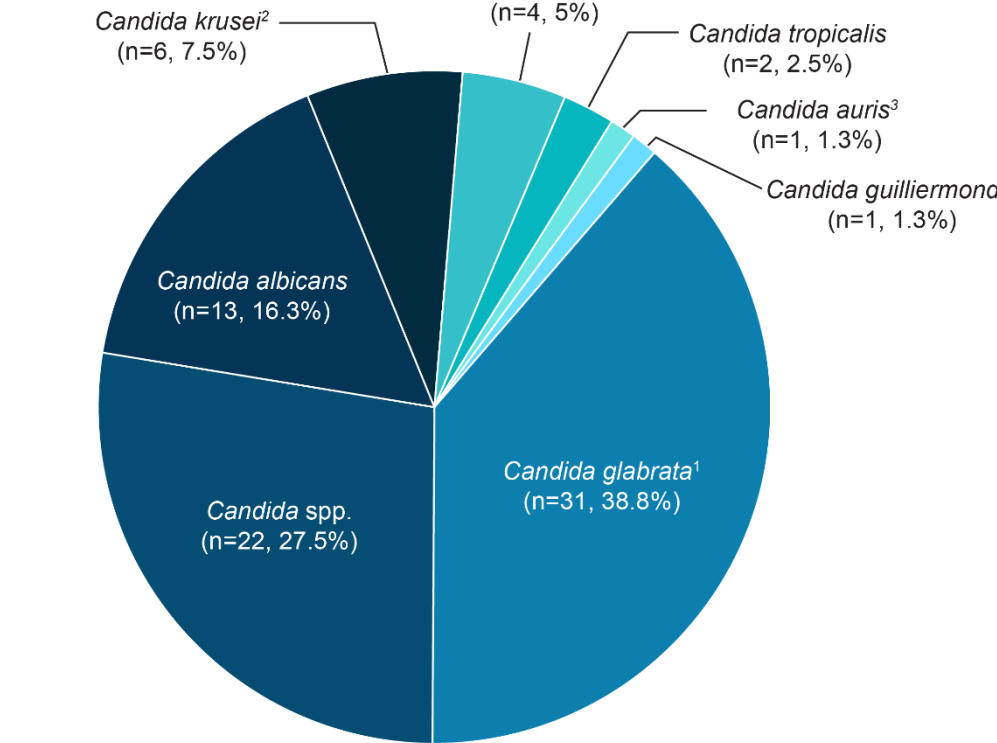


Outcome by Infection Type for Mucosal Candidiasis



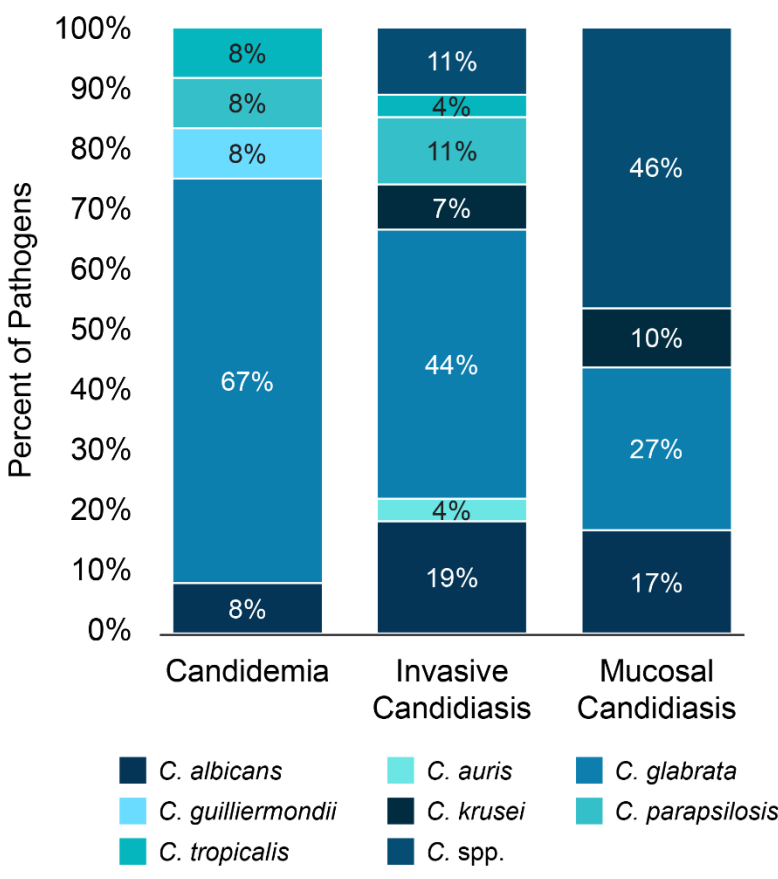
Microbiologic Results

Pathogens**

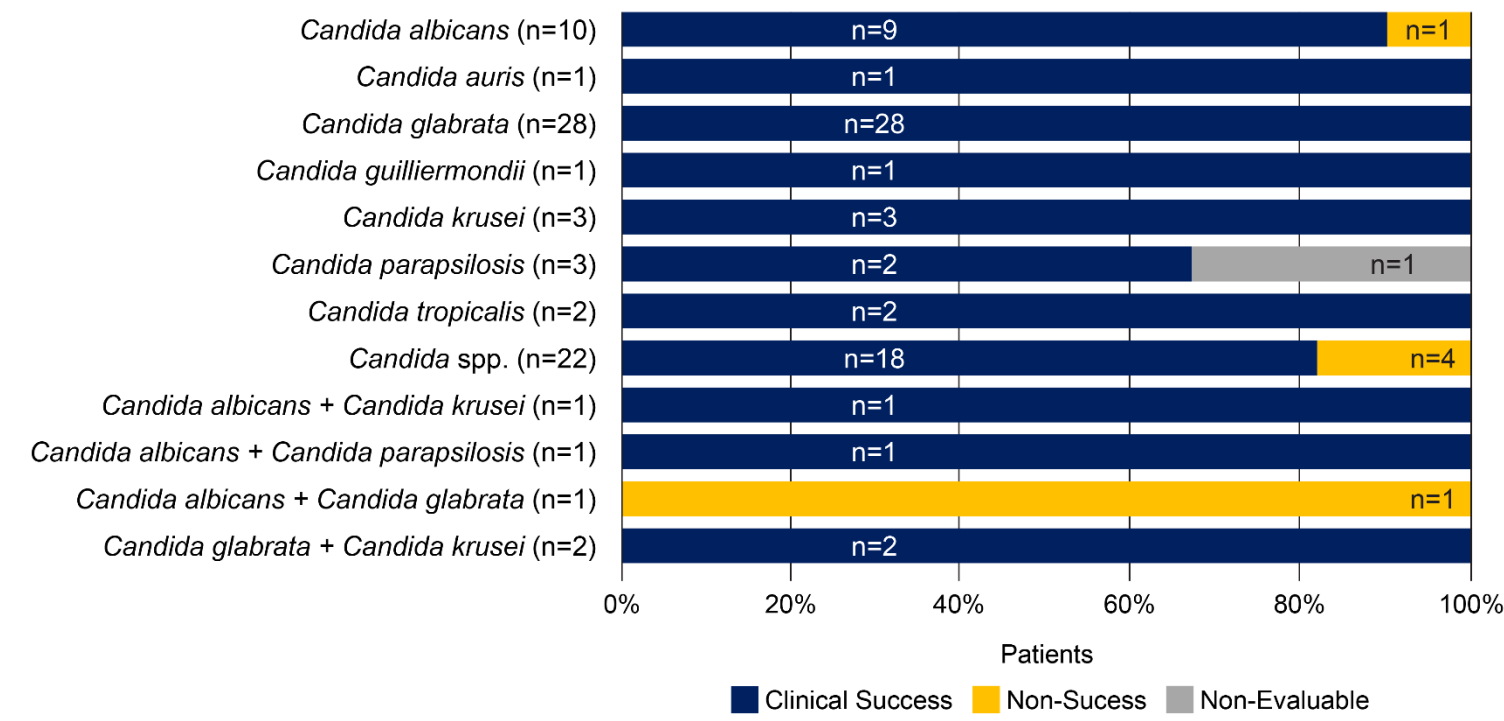


- 80 pathogens were isolated in 75 treatment courses, with cultures representing baseline targeted pathogens.
- C. glabrata was the most frequently isolated.

Pathogens by Diagnostic Group

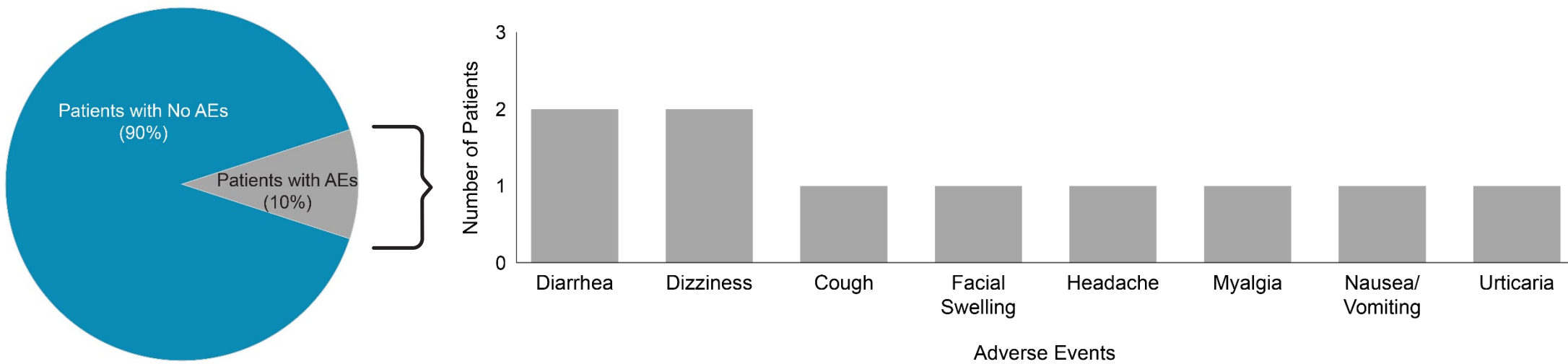


Outcomes by Pathogen



- Treatment success was seen with 90.6% of treatments by pathogen. Two non-successes (Candida spp.(1) and C.albicans + C. glabrata (1) were due to AEs with discontinuation.

Safety



- 10 AEs were reported in 7 patients (see figure).
- 8 were mild and did not require discontinuation of therapy.
- 2 patients had moderate AEs with discontinuation of therapy: one for exacerbation of diarrhea (BJJ) and one for urticaria (VVC).
- None of the AEs were reported as severe.

References

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