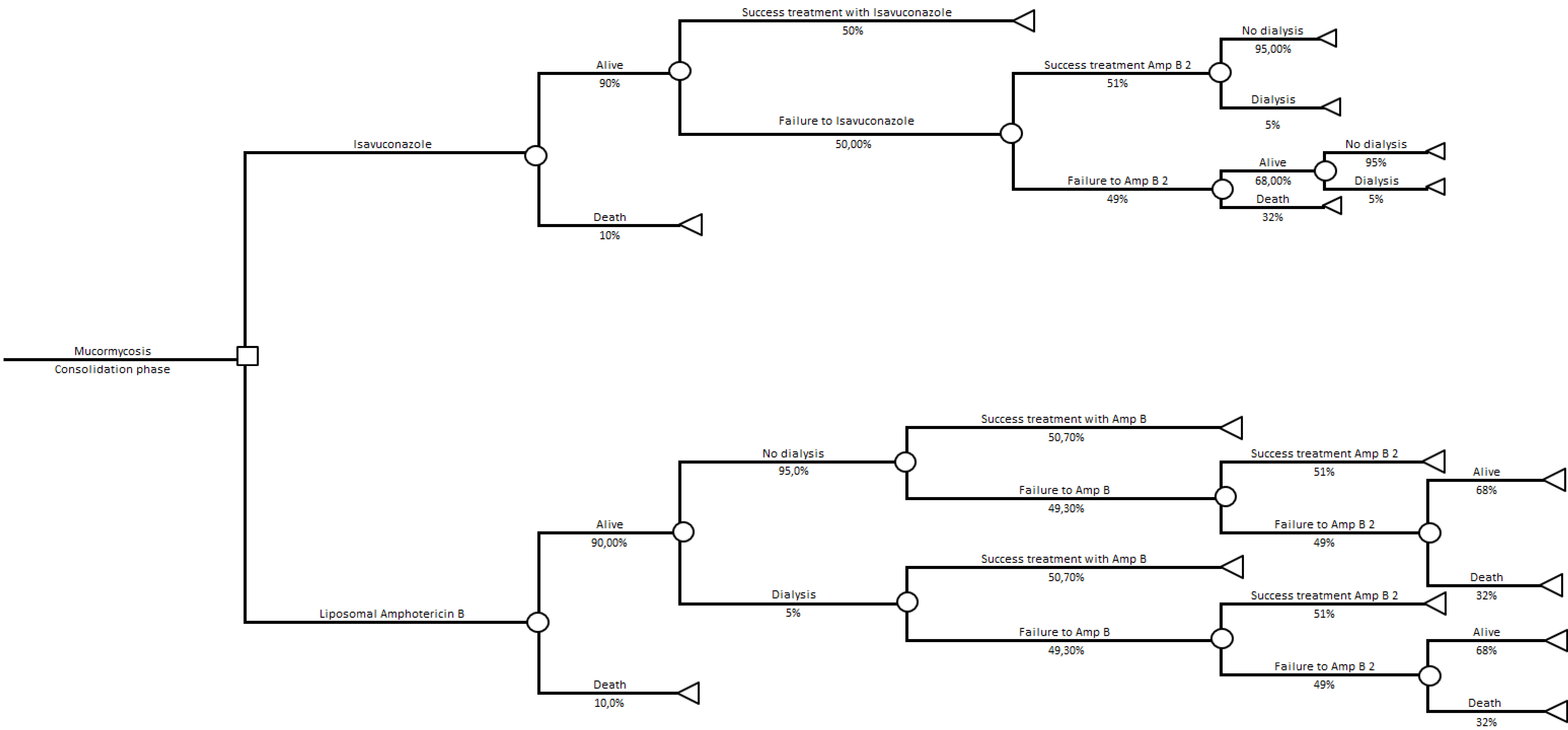


Cost-effectiveness analysis of Liposomal amphotericin B versus
Isavuconazole for treating mucormycosis in the consolidation phase
from the perspective of the Brazilian Unified Health System

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Item	Estimation point	Lower Limit	Upper Limit	Distribution function	Author
Probability of dying with isavuconazole	0,10	0,07	0,43	Beta	Marty et al 2016 / Thompson et al 2021
Probability of dying with amp B¹	0,10	0,07	0,43	Beta	Marty et al 2016 / Thompson et al 2021
Probability of responding to isavuconazole	0,50	0,32	0,68	Beta	Seidel, 2020
Probability of responding to amp B¹	0,51	0,38	0,63	Beta	Seidel, 2020
Probability of dialysis with Amp B¹	0,05	0,03	0,06	Beta	Specialist
Probability of responding to Amp B¹ if failure with the first consolidation treatment	0,51	0,38	0,63	Beta	Lantenier 2015
Probability of dying if treatment failure	0,32	0,26	0,38	Beta	Specialist
Isavuconazole cost	107120,78	85696,62	128544,93	gamma	Calc.
Amp B¹ Cost	784666,85	667664,10	901669,59	gamma	Calc.
Inpatient Cost	85880,93	68704,74	103057,11	gamma	SIGTAP
Outpatient cost	252,00	168,00	336,00	gamma	SIGTAP
Cost of not responding to Amp B¹	1131682,99	905346,39	1358019,58	gamma	Calc.
Cost of not responding to isavuconazole	927052,89	741642,32	1112463,47	gamma	Calc.
Cost of dialysis	53506,66	42805,32	64207,99	gamma	SIGTAP
Cost of death with isavuconazole	53560,39	42848,31	64272,47	gamma	SIGTAP
Cost of death with Amp B¹	392333,42	313866,74	470800,11	gamma	SIGTAP
Cost of death after second treatment failure (isavuconazole)	79013,58	63210,87	94816,30	gamma	SIGTAP
Cost of death after second treatment failure (amp B¹)	96050,27	76840,22	115260,32	gamma	SIGTAP
Cost of dialysis after failure with isavuconazole	53506,66	42805,32	64207,99	gamma	SIGTAP
Utility with treatment failure without dialysis	0,62	0,57	0,67	beta	Castejón et al 2018
Utility with treatment failure without dialysis	0,40	0,35	0,45	beta	Stein et al 2018
Utility with dialysis	0,54	0,46	0,61	beta	Liem et al 2008
Utility without dialysis	0,39	0,34	0,45	beta	Calc.
Utility of death	0,00	NA	NA	NA	

¹ Amp B - Liposomal Amphotericin B



Decision tree model

Treatment	Costs	Utility	Incremental Cost	Incremental Effectiviness	ICER
Liposomal Amphotericin B	R\$ 895.089,03	0,479			
Isavuconazole	R\$ 490.578,44	0,480	R\$ -404.510,59	0,0008	R\$ -519.942.531,58 / QALY

