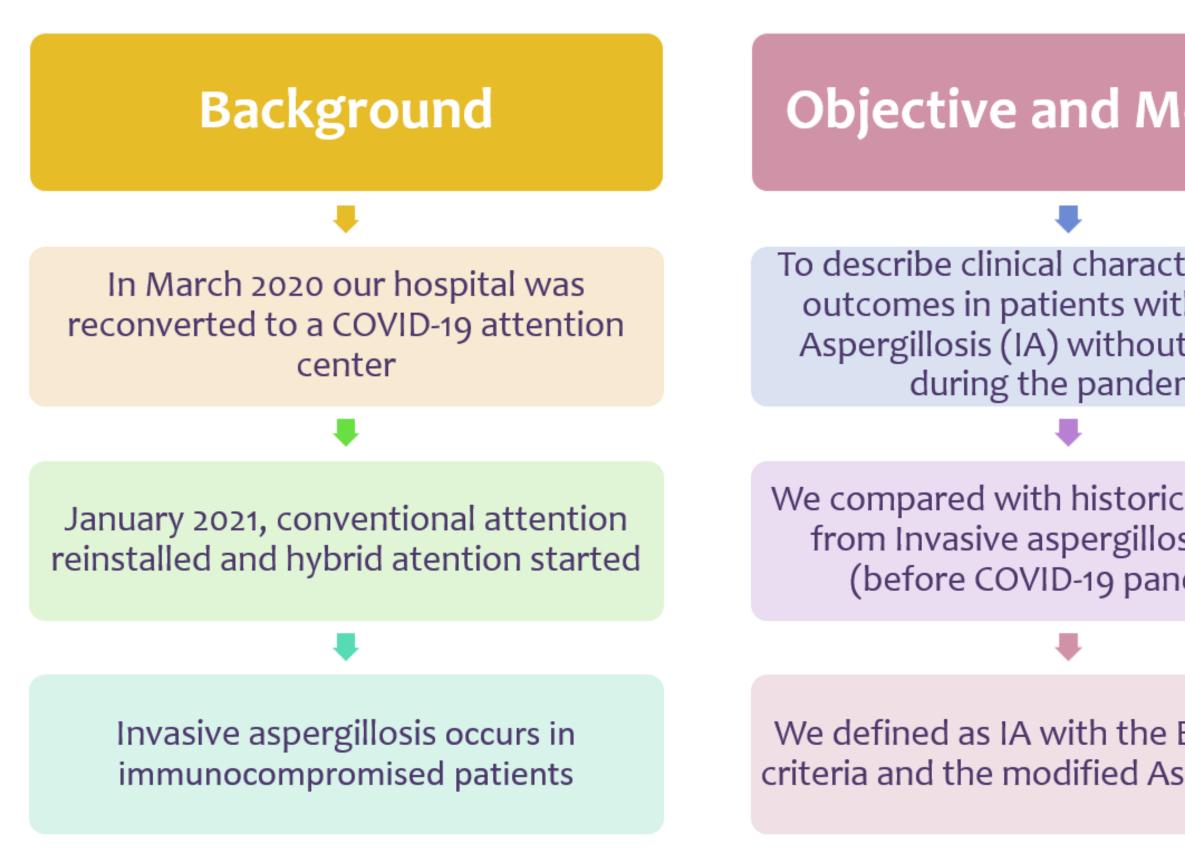


Outcome of patients with non-COVID-19 related Aspergillosis during the COVID-19 pandemic

Román-Montes Carla, MD (1,2), Guzmán-Pérez Adriana, MS (1), Díaz-Lomelí Paulette, CB (1), Cervantes Sanchez Axel, CB (1), Sifuentes-Osornio Jose, MD (3), Ponce-de-León Alfredo, MD (2), González-Lara Fernanda, MD (1,2) 1. Microbiology Laboratory, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico city 3. General Direction, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico city 3. General Direction, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico city



Results:

From March 2020 to December 2021, we found 27 In Aspergillosis cases diagnosed in non-COVID-19 pat

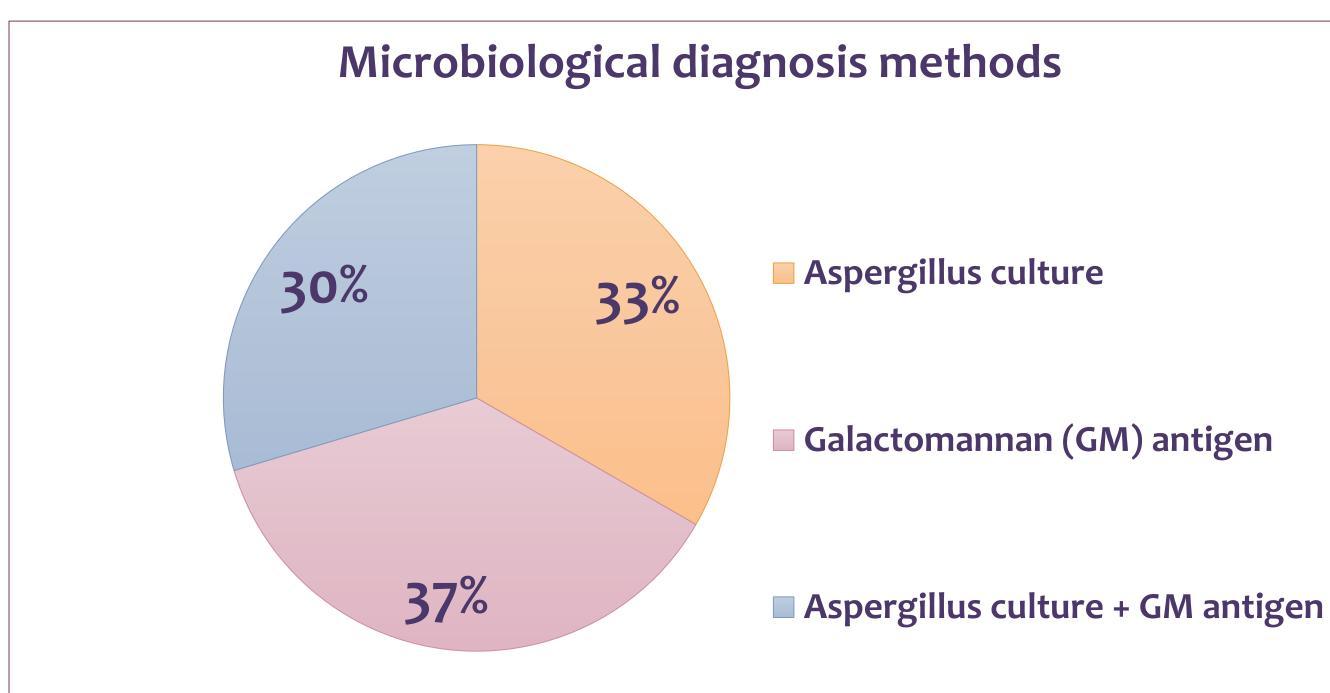


Figure 1. Mycologic criteria (microbiological diagnosis) in patients with IA without COVID-19 during pandemic.

	Table 1. General and clinical characteristics in Invasive Asp19 pandemic vs historical controls.			
lethods	Characteristics	IA duri N		
teristics and th Invasive It COVID-19 mic	Male sex			
	Age°	4		
	Hematological disease			
	Rheumatic disease			
c controls 2:1 sis cohort ndemic)	Immunosupression			
	EORTC/MSG criteria			
	Proven IA			
EORTC/MSG spICU criteria	Probable IA			
	Days from symptoms onset to diagnosis°			
	Positive serum GM antigen	(
	Positive BAL GM antigen	1		
nvasive	Antifungal treatment			
tients.	Days from symptoms to antifungal°			
	Dead at 6 weeks			
	IA: Invasive aspergilosis, EORTC/MSG: European Organization for Research and Treatment o 2020;71(6):1367–76. GM: Galactomannan, BAL: bronchoalveolar lavage. *Patients with Invas			
ntigen	B			

Figure 2. A Aspergillus fumigatus in Sabouraud agar and **B** Aspergillus fumigatus in 40x microscopy

pergillosis (IA) pa	tients without COVI	D-19 during COVID-	
ring COVID-19*	IA controls	P bivariate	-Serum G
N=27 (%)	N=54(%)		significan
14(52)	21(39)	0.26	
48(31-59)	44.5(27-55)	0.26	
12 (44)	29(54)	0.43	
6(22)	12(22)	1.0	-We
13(48)	13(32)	0.17	-IA grou
27(100)	48(89)	0.07	pro
5 (18.5)	7(13)	0.52	
22(81.5)	41(76)	0.57	
21 (6-68)	5 (3-10)	< 0.001	-lt is
	0 (0 20)		reconvers
6/17(35)	31/49(63)	0.04	-We ne
12/16(75)	12/21(57)	0.26	diag
22(81)	50(92.5)	0.134	
21(6-68)	5(3-10)	0.0005	
12(44)	22(41)	0.75	

nd the Mycoses Study Group Education and Research Consortium, Clinical Infectious Diseases® llosis without COVID-19 during COVID-19 pandemic. °Calculated median with interquartile range.

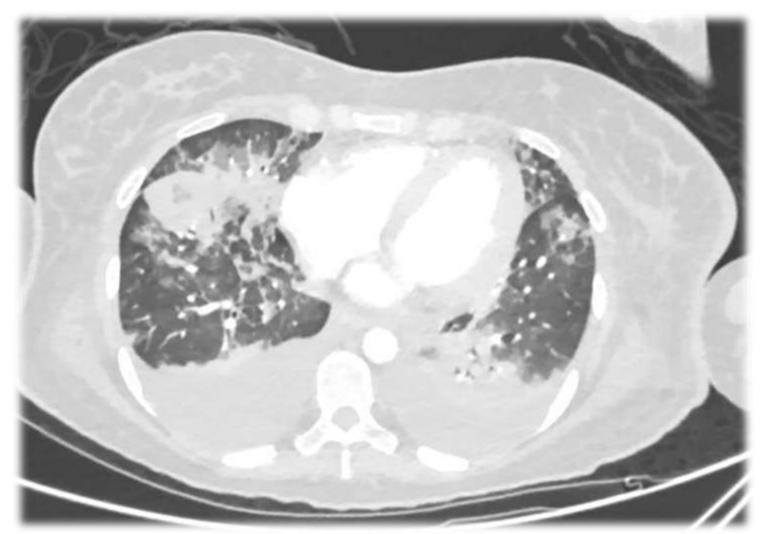


Figure 3. Chest CT scan from patient with IA. We can observe a large nodule and cavity lesion in the right lung, multiple nodules, and ground glass opacities.

During the COVID-19 pandemic, patients with Invasive Aspergillosis withouth **COVID-19 were diagnosed and treated** significantly later when compared with pre-COVID-19 era.





Rearla.roman@infecto.mx Carla89rom

IM was requested less frequently, with ntly lower positivity in patients with IA during the pandemic

e found no difference in mortality. oup during the pandemic was a lower oportion of antifungal treatment.

is likely a consequence of hospital rsion during the start of the pandemic. need to reinforced the Aspergillosis gnosis to improve the outcomes.

Conclusions

