THE LANCET Infectious Diseases

Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Lakoh S, Kamudumuli PS, Penney ROS, et al. Diagnostic capacity for invasive fungal infections in advanced HIV disease in Africa: a continent-wide survey. *Lancet Infect Dis* 2022; published online Dec 21. https://doi.org/10.1016/S1473-3099(22)00656-9.

Supplementary Appendix

Lakoh S et al. Diagnostic capacity for invasive fungal infections in advanced HIV disease in Africa: a continent-wide survey

Lancet Infect Dis 2022 https://doi.org/10.1016/S1473-3099(22)00656-9

Contents:

Table S1: Diagnostic tests and procedures surveyed and presented page 2
Questionnaire administered pages 3-10

Table S1: Diagnostic tests and procedures surveyed and presented

Clinical procedures	Radiology	Mycology tests					
Lumbar puncture	MRI scan	Direct microscopy of CSF (India Ink) * Fungal culture * Cryptococcal antigen test (CrAg) * Histoplasma antigen test * Pneumocystis PCR test * CD4 count (criteria and assay) *					
* On the EDL (WHO Model List of Essential In Vitro Diagnostics) [25]							

Questionnaire administered

GLOBAL ACCESS TO DIAGNOSTICS FOR FUNGAL INFECTIONS



A questionnaire for Global Action for Fungal Infections (GAFFI)

This questionnaire seeks to learn about the different levels of access to both diagnostics and treatments for fungal infections for populations across the world, with the aim of building a comparative dataset and a publicly available interactive map.

If you have any queries or require more information, please contact Richard Penney at rpenney@gaffi.org

PART 1 - RESPONDENT

Country	
Date	
Name(s)	
Email address	
Role	
Which area does this response cover? (i.e. whole	
country, region, city or single facility?)	
 Name of facility and location (if applicable) 	
Do you have a Biosafety Level 3 Lab in your country?	
(for work involving microbes which can cause serious and potentially	
lethal disease, e.g. TB, Histoplasma capsulatum, Coccidioides immitis)	
 If yes, do you have protocol for handling 	
pathogenic fungi?	



PART 2 – WHO-RECOMMENDED ESSENTIAL DIAGNOSTICS

Classifications of access:

- 1. Not available anywhere,
- 2. Private centres,
- 3. Specialist/university centres,
- **4.** District hospitals, or
- 5. Community health centres.

Classifications of regularity of treatment:

- A. Diagnostic is performed often,
- **B.** Diagnostic is performed occasionally, or
- **C.** Diagnostic is performed rarely.

Classifications of payment (list any that apply)

- W. Patient pays,
- X. Insurance pays,
- Y. Government/health service pays, or
- **Z.** A charity/foundation pays.

Instructions for table:

- Type a '#' into each box that applies to show where and how regularly each type of treatment is performed.
- If treatments are not performed often, please use the comments section to explain why (e.g. lack of equipment, broken equipment, lack of trained personnel, etc.)



WI	HO-	W	Where is the test done (1-5), and how often (A-C)? (#)											Who pays?	Comments, including any reasons that	
RECOMMENDED		1	Private centres all A B C		Snori	3 Specialist/university		4			5			(W-Z) List all	treatments are not performed regularly	
	ESSENTIAL DIAGNOSTIC				centres		District hospitals		Community health centres			that apply				
ווט					A B C		A B C		A B C		С					
	CSF (India Ink)															
Direct microscopy	Skin, hair &															
Ct n	nails															
nicro	Other (eg.															
osco	urine, BAL,															
γqc	vaginal															
	samples)															
	od culture															
	topathology															
	ngal stains)															
	ngal culture															
-	ptococcal															
	igen (CrAg)															
	toplasma															
	igen															
	pergillus antigen															
	pergillus															
	ibody															
Pne	eumocystis PCR															



PART 3 – CD4 COUNTS

(Type a "#" next to the answer that applies)

A. (i) Do you do CD4 counts on:								
1. Nearly all HIV patients	Yes #							
2. Only new patients	No#							
3. Only those with high viral load	No#							
4. Those who are ill and /or admitted to hospital	Yes #							
5. Almost never/never.	No#							
A. (ii) Has the pattern changed recently?								

B. If you do CD4 counts, which assay:										
1. FACS analysis on site	Currently CD4 are not analysed in our country, only viral load is									
	done									
2. FACS analysis at centralised locations	CD4 are not analysed in our country, only viral load is done									
3. Visitech CD4 350	CD4 are not analysed in our country, only viral load is done									
4. Visitech 200	CD4 are not analysed in our country, only viral load is done									



PART 4 – ESSENTIAL CLINICAL PROCEDURES

Classifications of access:

- 1. Not available anywhere,
- 2. Private centres,
- 3. Specialist/university centres,
- **4.** District hospitals, or
- 5. Community health centres.

Classifications of regularity of treatment:

- A. Procedure is performed often,
- **B.** Procedure is performed occasionally, or
- **C.** Procedure is performed rarely.

Classifications of payment (list any that apply)

- W. Patient pays,
- X. Insurance pays,
- Y. Government/health service pays, or
- **Z.** A charity/foundation pays.

Instructions for table:

- Type a '#' into each box that applies to show where and how regularly each type of procedure is performed.
- If procedures are not performed often, please use the comments section to explain why (e.g. lack of equipment, broken equipment, lack of trained personnel, etc.)



Prive A	2 ate central B	C		3 alist/uni centres	-	Dist	4 rict hosp	itals		5 munity h centres		(W-Z) List all that apply	procedures are not performed regularly)
A	В	С	A	В	С	Α	В	C	۸	_			
									A	В	С		



PART 5 – COSTS OF DIAGNOSTICS/PROCEDURES

CLINICAL PROCEDURE	APPROX COST (USD)
CXR + radiologist reporting fee	
CT + radiologist reporting fee	
MRI + radiologist reporting fee	
Skin biopsy procedure	
Bronchoscopy	
Spirometry	
Histopathology	
Blood culture	
direct microscopy	
CD4	

CLINICAL PROCEDURE	APPROX COST (USD)			



PART 6 - PLEAS	E COMMENT ON A	ANY OTHER FUN	IGAL DIAGNOST	TCS YOU USE	
PART 7 – ANY O	THER COMMENTS	S			