

INTRODUCTION OF URINE LF-LAM TEST IN SA



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Criteria for the use of LAM



- HIV positive patients with low CD4 count (less than or equal to 100 cells/ μ L), or
- HIV positive patients who are seriously ill, regardless of CD4 count, or
- HIV positive patients who are seriously ill and have low CD4 count

Based on the criteria above a decision to use the test in hospitals was made. This was based on the fact that most of these patients will present or referred to the hospitals.



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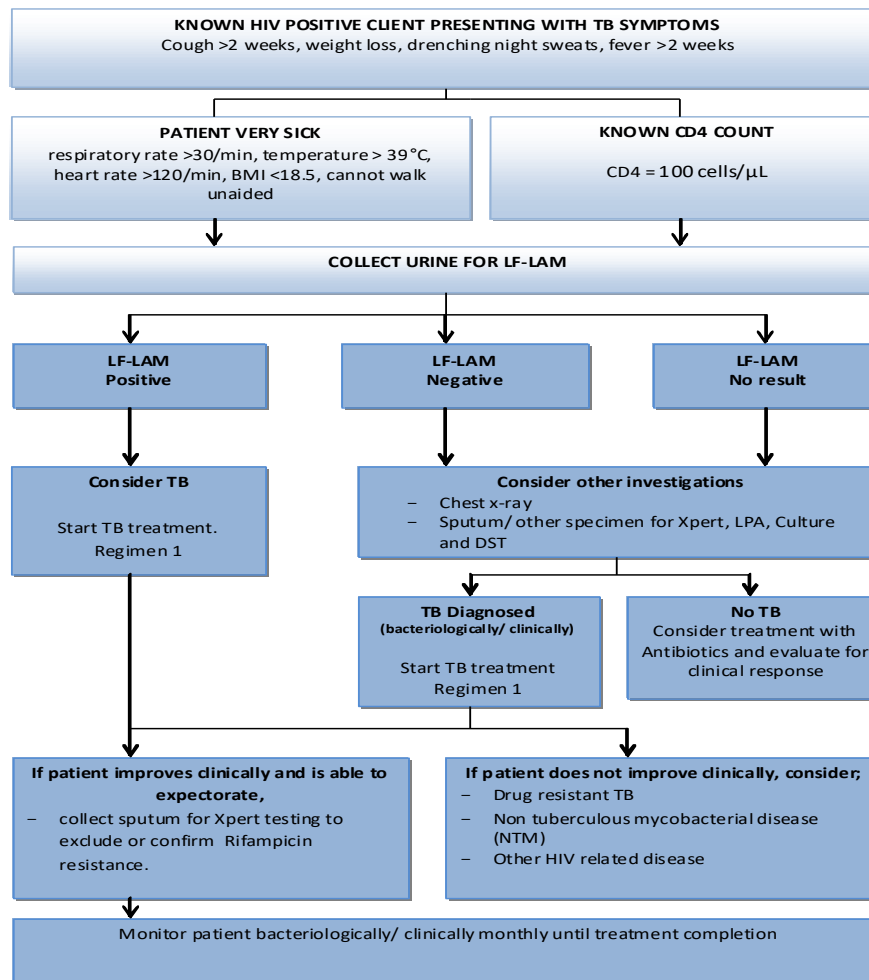
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Diagnostic Algorithm



LF-LAM IN THE DIAGNOSTIC ALGORITHM



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Planning for roll out



- Pilot conducted in 5 hospitals to determine the feasibility of the use of LAM in these settings and test the diagnostic algorithm
- Revision of the algorithm and guidelines
- Development of training materials
- Road shows to increase awareness
- Training of health care professionals – nurses and doctors
- Development and dissemination of job aides



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Planning for roll out



- Quantification and costing
 - Could only use the CD4 data to estimate number of patients that will need the test
- Procurement processes
 - Engagement of supply chain management
 - Development of item codes
 - Mobilisation of funding for procurement of tests
 - Conditional Grant
- Monitoring and Evaluation
 - Modification of the data collection tools
 - Patient records, TB Patient Identification Register, paper based TB Register, Electronic TB Register



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Quantification and costing



ASSUMING A 3% REDUCTION IN CD4 TEST VOLUMES FROM 2016 (BASED ON TREND)

Province	CD4<100 in 2016	Assume 3% Reduction	Expected CD4<100 in 2017	Unit Cost per test (Rands)	Total Costs (Rands)
Western Cape	21 821	654.63	21 166	46.50	984 219.00
Eastern Cape	37 422	1122.66	36 299	46.50	1 687 903.50
Gauteng	87 695	2630.85	85 064	46.50	3 955 476.00
North West	24 664	739.92	23 924	46.50	1 114 326.00
Free State	18 487	554.61	17 932	46.50	833 838.00
Limpopo	30 470	914.1	29 556	46.50	1 374 354.00
Mpumalanga	33 467	1004.01	32 463	46.50	1 509 529.50
Northern Cape	6 624	198.72	6 425	46.50	298 762.50
KwaZulu-Natal	80 156	2404.68	77 751	46.50	3 615 421.50
Total	340 806	10224.18	330 582		15 373 830.00



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Key issues for consideration



- Placement of the test within the hospital
 - In all OPD and wards for easy access
 - Packaging (100s per box) inconvenient resulting in “re-packaging”
- Onsite supervision and support
- Change management
 - Some clinicians did not act on the results preferring to wait for Xpert/ culture results
- External quality control programme needs to be developed



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Key lessons



- It is feasible to implement the LF-LAM in hospital settings
- Need champions in hospitals to drive this
- Need to sustain the momentum through mentoring and supervision



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Thank you



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