

Note: This is Online Appendix 1 of Adams EC, Antel K, Bailey JL, et al. Diagnostic use of abdominal ultrasound in detecting EPTB or lymphoma in an HIV-endemic region 2025;26(1), a1679. <https://doi.org/10.4102/sajhivmed.v26i1.1679>.

TABLE 1-A1: Diagnostic accuracy of individual and combined abdominal ultrasound features among patients diagnosed with lymphoma or tuberculosis.

Abdominal ultrasound feature	Sensitivity (95% CI)	Specificity (95% CI)	PPV (95% CI)	NPV (95% CI)
Lymphoma				
Lymphadenopathy	63.6 (30.8–89.1)	73.9 (51.6–89.8)	53.8 (25.1–80.8)	81.0 (58.0–94.6)
Ascites/Pleural effusion	36.4 (10.9–69.2)	56.5 (34.5–76.8)	28.6 (8.4–58.1)	65.0 (40.8–84.6)
Splenic hypoechoic lesions	63.6 (30.8–89.1)	60.9 (38.5–80.3)	43.8 (19.8–70.1)	77.8 (52.4–93.6)
Any 1 or more features present	90.9 (58.7–99.8)	30.4 (13.2–52.9)	38.5 (20.2–59.4)	87.5 (47.3–99.7)
Any 2 or more features present	45.5 (16.7–76.6)	69.6 (47.1–86.8)	41.7 (15.2–72.3)	72.7 (49.8–89.3)
3 features present	27.3 (6.0–61.0)	91.3 (72.0–98.9)	60.0 (14.7–94.7)	72.4 (52.8–87.3)
Tuberculosis				
Lymphadenopathy	20.0 (2.5–55.6)	54.2 (32.8–74.4)	15.4 (1.9–45.4)	61.9 (38.4–81.9)
Ascites/Pleural effusion	60.0 (26.2–87.8)	66.7 (44.7–84.4)	42.9 (17.7–71.1)	80.0 (56.3–94.2)
Splenic hypoechoic lesions	50.0 (16.7–76.6)	54.2 (32.8–74.4)	31.3 (11.0–58.7)	72.2 (46.5–90.3)
Any 1 or more features present	70.0 (34.8–93.3)	20.8 (7.1–42.2)	26.9 (11.6–47.8)	62.5 (24.5–91.5)
Any 2 or more features present	40.0 (12.2–73.8)	66.7 (44.7–84.4)	33.3 (9.9–65.1)	72.7 (49.8–89.3)
3 features present	20.0 (2.5–55.6)	91.7 (73.0–99.0)	50.0 (6.8–93.2)	73.3 (54.1–87.7)

PPV, positive predictive value; NPV, negative predictive value; CI, confidence interval.

TABLE 2-A1: Demographic and clinical characteristics of patients with a lymph node biopsy and without an abdominal ultrasound between 2017 and 2020.

Variable	Total (N = 154)				HIV positive (n = 63; 41%)				HIV negative (n = 91; 59%)			
	n	%	Median	IQR	n	%	Median	IQR	n	%	Median	IQR
Age at biopsy (years)	-	-	36.5	28.7–49.2	-	-	35.6	31.0–42.6	-	-	37.8	26.0–54.9
Gender												
Female	74	48.1	-	-	31	49.2	-	-	43	47.3	-	-
Male	80	52.0	-	-	32	50.8	-	-	48	52.8	-	-
Blood results												
Haemoglobin (g/dL) (n = 150)	-	-	12.4	10.6–13.8	-	-	11.8	9.2–13.1	-	-	13.0	11.7–14.1
Lymphocytes (× 10 ⁹ /L) (n = 150)	-	-	1.8	1.1–2.5	-	-	1.6	0.9–2.3	-	-	2.0	1.4–2.7
Platelets (× 10 ⁹ /L) (n = 149)	-	-	333	247–413	-	-	315	228–430	-	-	349.5	278–412.5
LDH (U/L) (n = 131)	-	-	250	212–318	-	-	262.5	227–328	-	-	238	196–299
Constitutional symptoms present	92	59.7	-	-	37	58.7	-	-	55	60.4	-	-
CXR performed before biopsy	59	38.3	-	-	20	31.8	-	-	39	42.9	-	-
Lymph node site												
Neck	140	90.9	-	-	58	92.1	-	-	82	90.1	-	-
Axillary	11	7.1	-	-	5	7.9	-	-	6	6.6	-	-
Inguinal	3	2.0	-	-	0	0.0	-	-	3	3.3	-	-
Final diagnosis												
Tuberculosis	57	37.0	-	-	30	47.6	-	-	27	29.7	-	-
Lymphoma	37	24.0	-	-	17	27.0	-	-	20	22.0	-	-
Metastatic malignancy	25	16.2	-	-	1	1.6	-	-	24	26.4	-	-
Other	28	18.2	-	-	12	19.1	-	-	16	17.6	-	-
Inconclusive	7	4.6	-	-	3	4.8	-	-	4	4.4	-	-

LDH, lactate dehydrogenase; CXR, chest X-ray; IQR, interquartile range.