

Supplemental Table 1. Clinical course, laboratory and microbiology results of a child with acquired tuberculosis drug resistance

Date	Clinical, laboratory, and radiology notes	Wt (kg)	Specimen Type	AFB Smear	Mtb Culture	DST	TB Treatment
25-Jul-2011	Presented with chronic cough, fever, loss of weight; TST reactive (12mm); started on TB treatment	7.9	GA	Neg	Pos	Not requested	INH, RIF, PZA
			GA	Neg	Pos	Not requested	
28-Sep-2011	Abnormal chest examination findings, poor weight gain	7.9	GA	Neg	Pos	INH-R, RIF-S	INH, RIF
			GA	Neg	Pos	Not requested	
			GA	Neg	Pos	Not requested	
Oct-2011	Tachypneic (RR 88 breaths/min), creptitations on chest examination; admitted for presumed bacterial pneumonia	7.6					
Nov-2011	Treated symptomatically by private physician for tiredness, loss of appetite, fever, vomiting, rash						
17-Dec-2011	Admitted to secondary referral hospital for fever, sore throat, rash; deteriorating mental status during admission; CSF – Poly 1/ml, lymph 145/ml, Eryth 0, Prot 7.5g/L, Gluc 1.8mmol/L						
19-Dec-2011	Transferred to Tygerberg Children's Hospital; bilateral lung creptitations, decreased strength, increased tone and brisk reflexes throughout, GCS 9/15; CT Brain – edema, basal enhancement, multiple infarcts; Chest X-ray – cavitations with bronchopneumonia	6.7	CSF	Neg	Neg		INH, RIF, PZA, EMB, ETO, OFX, AMK, TZD
23-Dec-2011			GA	Neg	Pos	INH-R, RIF-R, ETO-S, OFX-S, AMK-S	
			GA	Neg	Pos		
05-Jan-2012	Transfer to Brooklyn Chest Hospital, severe spastic quadriplegia	7.2					
10-Jan-2012			Sputum	Neg	Pos		
07-Feb-2012	All subsequent sputum specimens (n=13) were smear and culture negative		Sputum	Neg	Neg		
07-Mar-2012	Neurologic condition improved; spastic diplegia in lower limbs	7.8					Stop RIF
20-Jun-2012	Neurologic condition much improved; increased ankle tone, but walking unsupported	9.4					Stop AMK
05-Aug-2013	Completed treatment	11.0					Stopped

Wt=weight, AFB= acid fast bacilli; M.tb.=Mycobacterium tuberculosis; DST=drug-susceptibility testing; TB=tuberculosis; TST=tuberculin skin test; GA=gastric aspirate; Neg=negative; Pos=positive; INH=isoniazid; RIF=rifampicin; PZA=pyrazinamide; EMB=ethambutol; ETO=ethionamide; OFX=ofloxacin; AMK=amikacin; TZD=terizidone; CT= computed tomography scan; CSF=cerebrospinal fluid; Poly=polymorphonuclear leukocytes; Lymph=lymphocytes; Eryth=erythrocytes; Prot=protein; Gluc=glucose