Supplemental Table 2. Summary of randomised controlled trials on BCG-associated lymphadenitis management

	Population (age at lymphadenitis onset)		Outcomes				
Source	 Timing of BCG vaccine (dose, strain) 	Study comparator groups	Recovery: time (mean) or rate (%)		Rate of complication		Comments
Country	 Lymphadenitis description, FU period 						
Ayazi et al, ²⁰	40 children (mean age 5.8mo)		mean±NR		Fluctuance, indication for FNA		
2014	 infant BCG (0.05ml, BCG-Pasteur) 	Gp1 (n=20): LEX po (50mg/kg/d in 4 doses) 10d	Gp1: 16.1±6.5wk Gp2: 15.8±5.7wk, p=ns		Gp1: 10% (2/20)		
	 non-supp LD ≥0.5cm diam (max 3cm) 	Gp2 (n=20): No treatment			Gp2: 15% (3/20), p=ns		
Iran	FU: until LD recovery	Note: FNA also done if LD fluctuance during FU					
Banani et	77 children (mean age 10.6mo, range 1 to 36mo)		At 6m FU:		Sinus tract at 6m		Re-aspiration in 6
al, ²⁷ 1994	 neonatal (0.05ml) or infant (0.1ml) (BCG-Pasteur) 	Gp1 (n=43): FNA, re-aspiration every 1-2m if needed	Gp1: 95% (41/43) Gp2: 65% (22/34), p<0.002		Gp1: 7% (3/43)		patients (2 patients
	 supp (sonographic) LD (size range 1.5-5cm) 	Gp2 (n=34): No treatment			Gp2: 44% (15/34), p<0.002		had FNA 3
Iran	FU: until LD recovery or stable for 3-4m						times)
Caglayan et	120 children (<8m from vaccination)	Gp1 (n=21): INH po (10mg/kg/d) 2m	Gp1: 52% (11/21)		Spont drainage in early (within 2m) vs. late		16 of original 136
al, ²¹ 1987	 neonatal (0.05ml) or infant (0.1ml) (BCG-Pasteur) 	Gp2 (n=21): INH + RIF po (10mg/kg/d) 2m	Gp2: 62% (13/21) Gp3: 67% (24/36)		onset LD (2-8m post BCG)		were excluded from
	 LD ≥ 1.5cm diam 	Gp3 (n=36): ERY po (30mg/kg/d in 4 doses) 1m			Gp1-3: 48% (13/27) vs. 33% (17/51), p=ns		study: 6 lost to FU,
Turkey	FU: up to 6m	Gp4 (n=42): No treatment	Gp4: 67% (28/42), p=ns (rate of improvement or stabilisation)		Gp4: 53% (10/19) vs. 17% (4/23), p<0.05		10 'untoward'
21		Surg advised for treatment 'failure' (spont drainage)					reactions (Gp NR)
Close et al ³¹	18 infants (age NR)	Gp1 (n=8): INH (po 10mg/kg/d)	LD persisted for 2-7m in both groups, no		<u>Abscess</u>		Abscesses were
1985	 infant BCG (dose and strain NR) 	Gp2 (n=10): No treatment	significant difference (further detail NR)		Gp1: 63% (5/8)		drained in
	 LD (size NR). Some (n<9) with LD abscess 				Gp2: 40% (4/10)		both Gps, with
	FU: until LD recovery						subsequent healing
Kuyucu et	45 infants (mean age 3.8±0.2(SD)mo)		mean±SE Gp1: 9.4±0.5wk, p=0.01 (vs. Gp2) Gp2: 7.14±0.5wk, p=0.009 (vs. Gp3)		<u>Abscess</u>	Sinus tract	
al, ⁱ⁰ 1998	 neonatal or infant BCG (BCG-Denmark) 	Gp1 (n=15): ERY po (40mg/kg/d in 4 doses) 1m			Gp1: 100% (15/15)	Gp1: 0% (0/15)	
1	 non-supp LD ≥1.5cm diam 	Gp2 (n=15): STR inst. 1 dose (20mg/kg) into node			Gp2: 100% (15/15)	Gp2: 0% (0/15)	
Turkey	FU: until LD recovery	Gp3 (n=15): No treatment	Gp3: 11.87±1.5wk		Gp3: 80% (12/15)	Gp3: 40% (6/15)	
	06:6:4	FNA also done for LD fluctuance during FU in all Gp1-2					00161101
Noah et	96 infants (mean age 4.3mo, range 1 to 11mo)	Gp1 (n=69): LD w/o abscess at presentation	mean±SD		<u>Abscess</u> Gp1: 52% (36/69) → became Gp3		Gp3 = infants in Gp1
al, ²² 1993	• neonatal BCG (BCG-Pasteur)	A (n=35): ERY po (50mg/kg/d in 4 doses) 1m	Gp1 (incl. Gp3) n=69			ame Gp3	who developed
Inmaica	• LD ≥2cm diam, w/o (Gp1) or with (Gp2) abscess	B (n=34): Placebo po (sugar water) 1m	A: 4.1±1.48m B: 3.5±1.4m	5.1±1.7m 5.7±1.3m	- GpA: 46% (16/35)	14 vs. CnA	abscesses during FU, all had FNA; the 20
Jamaica	FU: until LD recovery	Gp2 (n=27): LD with abscess at presentation	p=ns p<0.01		- GpB: 59% (20/34), p=0.14 vs. GpA		in GpB were
		C (n=14): FNA + ERY po (50mg/kg/d in 4 doses) 1m		<u>'</u>	_		reassigned to local
		+ 0.5ml saline instil. into abscess cavity	<u>Gp2</u>	<u>Gp3</u>			INH instil. (1 dose)
		D (n=13): FNA + INH instil. (50mg) 1 dose into abscess	FNA+ERY po: 5.2±1.3m	6.0±1.6m			11411 1113til. (1 dose)
		cavity + placebo po (sugar water) 1m	FNA+INH instil: 3.9±1.1m	4.3±1.3m			
		cavity i placebo po (sagai water) Illi	p<0.001	p<0.001			

Abbreviations: BCG, Bacille Calmette-Guérin; d, days; diam, diameter; EMB, ethambutol; ERY, erythromycin; excl., excluding; FNA, fine needle aspiration; FU, follow-up; Gp, group; incl., including; INH, isoniazid; instil., instillation; LD, lymphadenitis; LEX, cephalexin; m, months; max., maximum; mo, month-old; NR, not reported; ns, not significant; po, per os; RIF, rifampicin; SD, standard deviation; SE, standard error; spont, spontaneous; STR, streptomycin; supp, suppurative; Surg, total surgical excision; TB, tuberculosis; w/o, without; wk, weeks; y, years;