Of the 847 full-text articles identified for potential inclusion into the review, 636 were excluded. The reasons for exclusion for these studies are found in *Table 32*.

Unable to obtain papers

1. Anon. Prophylaxis by means of BCG in doctors' families. *Ann Inst Pasteur* 1962;**49**:5.
2. Anon. Review of BCG vaccination programmes. Preliminary Report by the Director-General. (Executive Board Twenty-Fourth Session, Geneva, 1 and 2 June 1959. Annex 3.) Official Records of the World Health Organization 1959;**96**:19–50.
3. Alonso AE. Value of BCG vaccine in the prophylaxis of childhood tuberculosis. *Pediatr Panama* 1972;**1**:544–97.
4. Bloch M. The epidemiology of pulmonary tuberculosis in El Salvador. *Rev Inst Investig Med* 1973;**2**:2.
5. Bloch M. Vaccination with BCG in El Salvador. Analysis of the results. *Rev Inst Investig Med* 1980;**9**:3–238.
6. Cepulic V. Effect of BCG vaccination on the incidence tuberculosis in infants and children. *Lijec Vjesn* 1956;**78**:39–46.
7. Coetzee L. The usability of different parameters in the measuring of vaccination success with members of the family of patients who are sufferers from tuberculosis. 1986.
8. Cruz E. Tuberculosis Mortality in the State of São Paulo in 1950. Its application in the evaluation of results of BCG vaccination. *Arch Fac Hig Saude Publ Univ S Paulo* 1952;**17**:52–317.
9. Etcheverry J. Late results after the use of BCG. *Archiv Tisiolog Pneumol* 1922;**1**:1–76.

TABLE 32 Reasons for exclusion of 636 references identified in title and abstract screening for inclusion

Reason	Number of papers excluded on this basis
Unable to obtain papers	48
Not a primary study	77
Inappropriate study type	229
Study did not include BCG vaccinated and unvaccinated participants	74
Study did not report outcome data on tuberculosis disease and/or tuberculosis mortality	63
Study outcome was tuberculosis infection	21
Study did not report individual-level data to construct a 2 × 2 table	25
Study participants were only tuberculosis patients	16
Study included revaccinated participants	30
Animal studies	21
BCG vaccination studied was orally administered	32
Total	*636*

10. Flesch I. [Importance of BCG vaccination in the protection of (contact) children living in a tuberculotic environment]. *Gyermekgyogyaszat* 1963;**14**:339–52.

11. Georges-Janet L, Chauve D. Analytic study of 727 BCG vaccinations in the infant born of tuberculous parents. *Prog Med* 1965;**93**:5–11.

12. Gorlero Bacigalupi R. A contribution to the study of the value of BCG: Morbidity and mortality from tuberculosis in infants. *Hoja Tisiolog* 1945;**5**:3–8.

13. Hein H. How long is BCG vaccination effective. *Fortschritte Med* 1983;**101**:636–8.

14. Hsing CT. BCG has no protective effect, vaccination should be discontinued among primary school children. *Chin Med J* 1984;**33**:312–16.

15. Karasu N. The annual results of BCG vaccination applied at the Necatibey Elementary School, Ankara. *Acta Medica Turcica* 1951;**3**:333.

16. Kim HK. *Control measure for tuberculosis in Korea and BCG vaccination*. *Korea Medical Association* 1952.

17. Kotb MM, Azza AT. Evaluation of the efficacy of routine BCG vaccination: a case–control study. *J Egypt Public Health Assoc* 1993;**68**:469–85.

18. Labady A. The results of BGG vaccination after 7 Years. *Nepegeszsegugy* 1956;**37**:40–4.

19. Larralde C. Report on the efficiency of BCG vaccine in the prevention of human tuberculosis. *Rev Lationam Microbiol* 1976;**18**:3–6.

20. Leon AP. Statistical analysis of the results of BCG vaccination in the Americas. *Rev Mexi Tuberc* 1944;**6**:29–40.

21. Lotte A. Tuberculosis morbidity in workers exposed to infection. *Bull Inst Nat Sante Rech Med* 1967;**22**:1–61.

22. Lugosi L. Results of the BCG vaccination in Hungary since 1929: evaluation of preventive and immunotherapeutic effectiveness. *Orvosi Hetila* 1998;**139**:1563–70.

23. Mande R. Respective role of BCG vaccination and chemoprophylaxis in the prevention of tuberculosis in the developing countries. *Bull Int Union Tuberc* 1964;**35**:113–15.

24. Marinova RI. Problem of efficay of anti-tuberculosis BCG vaccination in Bulgaria [Prinos kum vuprosa za efikasnostta na protivotuberkuloznata vaksinatsiia u BTSZH nas]. *Suvr Med* 1956;**7**:11–23.

25. Mihailescu P, Barbulescu R. Evaluation of BCG vaccination in Romania. *Dev Biol* 1986;**58** Part A:243–7.

26. Mihailescu P, Vlas E, Lupsa M, Galan V, Iorga P, Gogulescu P, *et al.* Model of eradication of tuberculosis in children in an area with high epidemiological potential. *Pneumoftioziologia* 1975;**24**:79–84.

27. Mihailescu P, Barbulescu R. The immediate and late impact of the national 1973–1975 BCG vaccination campaign. *Pneumoftioziologia* 1984;**33**:125–33.

28. Mitreva N. Tuberculosis in BCG-vaccinated children; preliminary report [Prinos kum vuprosa za tuberkulozata u vaktsinirani s BTSZH detsa; purvo suobshchenie.] *Suvr Med* 1956;**7**:22–31.

29. Monnet P, Guerrier G, Longin B. Reduction of incidence of tuberculous primary infections as a function of the use of BCG vaccine. Hospital survey. *Ann Pediatr* 1970;**17**:670–1.

30. Nelson LJ. Population-based risk factors for tuberculosis and adverse outcomes among Tibetan refugees in India, 1994–1996. *Int J Tuberc Lung Dis* 2005;**9**:1018–26.

31. Niazi AD. Efficacy of BCG vaccination in the prevention of tuberculosis meningitis in Iraq. *J Arab Board Med Special* 2001;**3**:75–8.

32. Niazi AD, Mohammed TAW. Protective effect of BCG vaccination in Iraq: a case–control study. *J Fac Med Baghdad* 1994;**36**:123–31.

33. Nicolas A. BCG among schoolchildren in Morocco. *Inst Hyg Maroc* 1952. **12**:34–51.

34. Pereira, S.N. [*Effectiveness of the dose first of BCG vaccine against tuberculosis in children in Salvador*.] Doctoral Degree. Salvador: Federal University of Bahia, Institute of Public Health (ISC); 2000.

35. Petrova T. Morbidity of tuberculosis in the region of the 4th Antituberculosis Clinic during 1957 in BCG-vaccinated and not vaccinated subjects. *Suvr Med* 1960;**11**:60–9.

36. Raju VB, Narmada R. Evaluation of B.C.G. vaccination in children below six years. A pilot study. *Indian Pediatr* 1970;**7**:532–41.

37. Rosenthal SR, Leppman *M. tuberculosis* control: BCG vaccination in a tuberculosis control program in infants, children and adults. *Trans Natl Tuberc Assoc* 1953;**49**:161–8.

38. Rosenthal SR. Vaccination against tuberculosis by BCG. *Ame Pract Dige Treat* 1948;**2**:462–6.

39. Ruffino Netto A. Efficacy of BCG vaccination in relation to tuberculosis epidemiology. *Rev Div Nac Tuberc* 1977;**21**:5–16.

40. Samule S. Efficacy of BCG vaccination in infants and preschool children. *Med J Cairo University* 1995;**63**:57–62.

41. Sequeiros P. Meningitis tuberculosa en menores de 14 años vacunados con BCG. Hospital del niño Ovidio Alaiga Uria. *Cuad Hosp Clin* 2003;**48**:145–9.

42. Singh KK, Singh BP, Ram SP. Evaluation of diagnostic and prophylactic value of BCG in childhood tuberculosis. *Archives of Child Health* 1981;**23**:105–13.

43. Spatny J. BCG vaccination against tuberculosis in district of Budejovice. *Pediatr Listy* 1949;**4**:165–7.

44. Sula L. The part played by BCG vaccination in reducing the morbidity and mortality rates from tuberculosis in Czechoslovakia. *Review of Czechoslovak Medicine* 1956;**2**:127–35.

45. Swaminathan S. Protective efficacy of BCG. *Indian J Pediatr* 2004;**71**:1083–4.

46. Tjay JK, Saragih R, Halim S, Irawati T, Harnopidjati P, Manoeroeng SM, *et al.* Tuberculosis in children and BCG vaccination in North Sumatra. *Paediatr Indones* 1975;**15**:303–14.

47. Udani PM. Protective value of BCG vaccine. *Indian Pediatr* 1982;**19**:739–52.

48. Wei L, Zhang F, QiuMin Z. Case control study on the risk factors for pulmonary tuberculosis in servicemen of China. *China Trop Med* 2008;**6**:4–571.

Not a primary study

1. Abrahams EW. Protection by BCG vaccination: a review of Australian epidemiology. *Dev Biol* 1986;**58**:231–5.

2. Acan H. An evaluation of the long-term national BCG programme in turkey. *Bull Int Union Tuberc* 1971;**46**:65–72.

3. Agbere ARD. Tuberculosis in children at the CHU Tokoin, Lome, Togo. Report of 202 cases from the paediatric ward during 1980–1990. *Tunis Med* 1999;**77**:149–53.

4. Altet Gomez MN, Alcaide Megias J, Canela Soler J, Serra Majen L, Salleras Sammarti L. Retrospective evaluation of the efficacy of the BCG vaccination campaign of newborns in Barcelona, Spain. *Tuberc Lung Dis* 1993;**74**:100–5.

5. Arbelaez MP, Nelson KE, Muñoz A. BCG vaccine effectiveness in preventing tuberculosis and its interaction with human immunodeficiency virus infection. *Int J Epidemiol* 2000;**29**:1085–91.

6. Baloira Villar A, Agüero Balbín R, Bustamante Ruiz A, Jiménez Gómez A. Miliary tuberculosis secondary to intravesical instillation of Calmette–Guérin bacilli. *Med Clin* 1992;**99**:158.

7. Bethenod M, Nivelon JL, Bourrelier V, Brun M. Tuberculous meningitis after BCG vaccination controlled correctly. *Pediatrie* 1964;**19**:1013–16.

8. Bhat GJ, Diwan VK, Chintu C, Kabika M, Masona J. HIV, BCG and TB in children: A case control study in Lusaka, Zambia. *J Trop Pediatr* 1993;**39**:219–23.

9. Birkhauser H. Sarkoidose-artige Lesionen der Lunge nach BCG-Impfung. *Archiv Klin Exper Dermatol* 1961;**213**:511–12.

10. Bjartveit K, Waaler H. Some evidence of the efficacy of mass BCG vaccination. *Bull World Health Organ* 1965;**33**:289–319.

11. Blecha J. Report of BCG vaccination in the region of Hradec. *Pediatr Listy* 1950;**5**:160–1.

12. Blin P, Delolme HG, Heyraud JD. Case–control study on efficacy of BCG vaccination campaigns in Cameroon. *Bull Liaison Doc* 1986;**73**:29–35.

13. Blin P, Delolme HG, Heyraud JD. Evaluation of the protective effect of BCG vaccination by a case–control study in Yaounde, Cameroon. *Tubercle* 1986;**67**:283–8.

14. Boiron H. BCG Vaccination in French West Africa. *J Afr Pediatr* 1961;**51**:46–61.

15. Bonifachich E, Chort M, Astigarraga A, Diaz N, Brunet B, Pezzotto SM, *et al.* Protective effect of bacillus Calmette–Guérin (BCG) vaccination in children with extra-pulmonary tuberculosis, but not the pulmonary disease: a case–control study in Rosario, Argentina. *Vaccine* 2006;**24**:2894–9.

16. Boonkird O, Lucksanabhisitkul P, Puyanont S. Evaluation of B.C.G. vaccination in the prevention of tuberculosis (Thai). *Siriraj Hosp Gaz* 1973;**25**:267–77.

17. Boyum S. Pulmonary tuberculosis in BCG vaccinated subjects. *Tidsskr Nor Laegeforen* 1953;**73**:10–11.

18. Brantsaeter AB. Evidence of protective effect of BCG vaccination in persons at low risk of tuberculosis in Nordic countries. *Int J Tuberc Lung Dis* 2009;**13**:440–5.

19. Calmette A, Guérin C, Boquet A, Nègre L. *La vaccination préventive contre la tuberculose par le BCG.* Paris: Masson; 1927.

20. Calvete C, Domínguez G, de Irurzun RN. Evaluation of the protective effect of BCG vaccination. [Evaluación del efecto protector de la vacunación con BCG.] *Bol Oficin Sanit Panam Pan Am Sanit Bur* 1986;**100**:300–8.

21. Carrera Y, Claude T, Jean-Francois MEd, Suman OMSd. Casos de tuberculosis pulmonar y factores de riesgo asociados: Hospital del Niño (1988–1992). *Rev Hosp Niño* 1993;**12**:65–70.

22. Casco MG. Investigation of inapparent tuberculosis among the students at the Universidad Nacional of Cordoba. *Rev Med Cordoba* 1963;**51**:38–49.

23. Chugaev IP. Progressive and acute forms of tuberculosis in young children. *Probl Tuberk* 1989;(12):19–21.

24. Cioglia L, Ladu T. Epidemiology of tbc in Sardinia from World War II to 1976. *Riv Ital d'Igiene* 1979;**39**:262–79.

25. Costa MCN, Mota ELA, Pinto LLS. Efeito protetor do BCG intradérmico na meningite tuberculosa. *Bol Oficin Sanit Panam Pan Am Sanit Bur* 1991;**110**:26–32.

26. Coufal K, Svandová E. The occurrence of epidemic tuberculosis in schools in BCG vaccinated children. *Bull Int Union Tuberc* 1968;**41**:83–5.

27. Dankova D, Trnka L, Svandova E. Project of discontinuation of BCG vaccination in newborns in selected regions of Czech Republic. *Stud Pneumol Phtiseolog* 1995;**55**:281–92.

28. Darnaud R, Prieto V, Sequeira MD. Tuberculous meningitis in children under 5 years of age in Argentina. *Medicina* 2006;**66**:119–24.

29. Dickie AW. Tuberculosis in families with BCG-vaccinated and non-vaccinated children. *Br Med J* 1952;**1**:682–6.

30. Elizarov BM, Vladimirova MI. Course of tuberculosis in unvaccinated and BCG-vaccinated children [Techenie tuberkuleza detea, ne vaktsinirovannykh i vaktsinirovannykh BTsZh.] *Probl Tuberk* 1983;(12):10–13.

31. Ferguson RG. BCG vaccination in hospitals and sanatoria of Saskatchewan. *Am Rev Tuberc* 1946;**54**:325–39.

32. Ferguson RG. Prevention of tuberculosis among nurses. *CMAJ* 1953;1953, Jan. **68**:1–8.

33. Fourestier M, Baissette G, Bergeron L, Gonzales A. Efficacy of BCG in primary and post-primary tuberculosis in children and adolescents; experience in Montreuil. *Rev Tuberc* 1951;**15**:1084–93.

34. Fourestier M. Results of BCG Vaccination in Montreuil from 1948 to 1955. *Bull Acad Natl Med* 1956;**140**:274–82.

35. Germanaud J, Jamet *M. tuberculosis* and health care workers. A retrospective study in hospitals of central France. *Med Hyg* 1994;**52**:1590–2.

36. Gernez-Rieux C. Long-term results of BCG vaccination by scarification. *Ann Inst Pasteur* 1957;Inst. Pasteur, Lille. 1957;**9**:57–67.

37. Gernez-Rieux C. Long-term results of BCG vaccination of schoolchildren. *Rev Hyg Med Soc* 1955;**3**:3–27.

38. Gernez-Rieux C, Gervois M, Voisin C, Lebeurre R. Tuberculosis late after BCG vaccination by scarification method. *Rev Tuberc* 1955;**19**:537–47.

39. Gervois M, Laroche G, Khalaf R, Dubart AN. BCG vaccination before school age. *Lille Med* 1971;**16**:475–7.

40. Godoy P, Díaz JM, Alvarez P, Madrigal N, Ibarra J, Jiménez M, *et al.* Outbreak of tuberculosis: The importance of time of exposure versus the proximity to the source of infection. *Med Clin* 1997;**108**:414–18.

41. Gomez FD. Clinical and radiological aspects of tuberculosis in children under three years, vaccinated at birth with BCG. *Hoja Tisiolog* 1945;**5**:2–7.

42. Guerrero-Sandino E. Tuberculosis control programme in Colombia. *Rev Panam Salud Publica* 1979;**86**:5–405.

43. Havlujova-Zukrieglova L. Extrapulmonary tuberculosis in vaccinated children. *Cesk Pediat* 1971;**26**:83–5.

44. Kamigawara N. Retrospective assessment of the effectiveness of BCG vaccination by multiple puncture method (Kuchiki's needle) in childhood tuberculosis. *Kekkaku* 1989;**64**:305–11.

45. Landmann H. Tuberculosis in children and BCG vaccination in the GDR. *Develop Biol Standard* 1986;**58**:311–16.

46. Li S, Zhang X, Han G. Case–control studies on risk factors for pulmonary tuberculosis in servicemen of China. *Zhonghua Liu Xing Bing Xue Za Zhi* 1999;**20**:208–11.

47. Liebknecht WL. Tuberculosis after BCG vaccination. *Tuberkulosearzt* 1953;**7**:93–7.

48. Lugosi L. BCG vaccination in Hungary during 1936 to 1970. A comparison of the trend of tuberculosis in children and adults for 1953–58 and 1958–68. *Gyermekgyogyaszat* 1974; **25**:97–110.

49. March Ayuela P, Boqué Genovard MA. Sudden outbreaks of tuberculosis: apropos of 10 school epidemics in Barcelona and its province. *Rev Clin Espanol* 1988;**183**:24–9.

50. March Ayuela P. Transmission of tuberculous bacillus in the Spanish population. Paradoxical results from the eradication campaign. *Ann Med Cirug* 1974;**54**:255–80.

51. Miceli I, De Kantor IN, Colaiacovo D, Peluffo G, Cutillo I, Gorra R, *et al.* Evaluation of the effectiveness of BCG vaccination using the case–control method in Buenos Aires, Argentina. *Int J Epidemiol* 1988;**17**:629–34.

52. Miceli I, Kantor IN, Colaiacovo D, Peluffo G, Cutillo I, Gorra R, *et al.* Eficacia de la vacunacion con BCG evaluada mediante el método de casos y testigos en Buenos Aires, Argentina. *Bol Oficina Sanit Panam* 1988;**104**:440–9.

53. Mihailescu P, Barbulescu R. The epidemiological impact of a mass BCG vaccination campaign in Romania. *Bull Int Union Tuberc* 1979;**54**:335–6.

54. Monteiro da Franca JL. Case reports of BCG vaccination; domiciliary tuberculosis and Calmette immunization. *Hospital* 1951;**39**:539–62.

55. Morrison WL, Webb WJS, Aldred J, Rubenstein D. Meningitis after BCG vaccination. *Lancet* 1988;**1**:654–5.

56. Nielsen E, Härö AS, Hjaltested OP. Survey of the tuberculosis problem in the Nordic countries. Are BCG vaccination and mass screening necessary? *Nord Med* 1974;**89**:225–30.

57. Nurmela T, Tala E, Elo J. Tuberculosis in a primary school. *Duodecim* 1987;**103**:142–5.

58. Orege PA, Fine PEM, Lucas SB, Obura M, Okelo C, Okuku P. Case–control study of BCG vaccination as a risk factor for leprosy and tuberculosis in western Kenya. *Int J Leprosy* 1993;**61**:542–9.

59. Pagel V. Tuberkuloseallergie und Bacillenstamm: Zugleich ein Beitrag zur Biologie des BCG-Bacillus. *Klin Wochenschr* 1929;**8**:170–1.

60. Patel A, Schofield F, Siskind V, Abrahams E, Parker J. Case–control evaluation of a school-age BCG vaccination programme in subtropical Australia. *Bull World Health Organ* 1991;**69**:425–33.

61. Petroff SA. Uber die Verunderlichkeit des Tuberkelbacillus: Unter besonderer Berucksichtigung des bacillus Calmette–Guérin (BCG). *Klin Wochenschr* 1931;**10**:247–50.

62. Romanus V. Childhood tuberculosis in Sweden. An epidemiological study made six years after the cessation of general BCG vaccination of the newborn. *Tubercle* 1983;**64**:101–10.

63. Romanus V. Tuberculosis in Bacillus Calmette–Guérin-immunized and unimmunized children in Sweden: A ten-year evaluation following the cessation of general bacillus Calmette–Guérin immunization of the newborn in 1975. *Pediatr Infect Dis J* 1987;**6**:272–80.

64. Sant'Anna CC. A retrospective evaluation of a score system adopted by the Ministry of Health, Brazil in the diagnosis of pulmonary tuberculosis in childhood: a case control study. *Rev Inst Med Trop São Paulo* 2003;**45**:103–5.

65. Santosa G, Syamsuri MM, Gusti I, Djelantik G, Projogo E, Nyoman IG, *et al.* Difference in severity of tuberculosis in children with or without a BCG scar. *Paediatr Indones* 1985;**25**:87–92.

66. Schreiter G, Schrodter S. Meningeal tuberculosis after BCG vaccination [Meningitis tuberculosa nach BDG-Schutzimpfung]. *Dtsch Gesundheitsw* 1956;**11**:329–35.

67. Sharma RS, Srivastava DK, Singh AA, Kumaraswamy RK, Mullick DN, Rungsung N, *et al.* Epidemiological evaluation of BCG vaccine efficacy in Delhi – 1989. *J Commun Dis* 1989;**21**:200–6.

68. Shula L. Method and results of preventive vaccination in Czechoslovakia against tuberculosis. [Metody i rezul'taty predokhranitel'noi vaktsinatsii protiv tuberkuleza v Chekhoslovakii.] *Probl Tuberk* 1956;**34**:13–20.

69. Sjogren I. Tuberculosis in BCG vaccinated and unvaccinated young Swedish men. A comparative study. *Scand J Resp Dis* 1976;**57**:208–22.

70. Sommer E. Personal experiences with BCG vaccination [Eigene Erfahrungen mit der BCG-Impfung.] *Praxis* 1950;**39**:716–18.

71. Stephanopoulos C. Pulmonary tuberculosis following B.C.G. vaccination. *Revue de Tuberculose et de Pneumologie* 1961;**25**:1152–4.

72. Sutherland I, Lindgren I. The protective effect of BCG vaccination as indicated by autopsy studies. *Tubercle* 1979;**60**:225–31.

73. Sutrisna B, Utomo P, Komalarini S, Swatrinai S. Penelitan efectifitas vaksin BCG can beberapa faktor lainnya pada anak yang menderita TBC berat di 3 rumah sakit di Jakarta 1981–1982. *Medika* 1983;**9**:143–50.

74. Szungyi Z. Combined protection of children living in an environment infected with tuberculosis. *Orv Hetil* 1964;**105**:893–6.

75. Timofejewsky AD, Benewolenskaja SW. Zachtung von geweben und leucocyten des menschen mit Tuberkelbacillen Calmettes (BCG.). *Virchows Arch Pathol Anat Physiol Klinische Med* 1928;**268**:629–51.

76. Ustvedt HJ. Tuberculosis in BCG vaccinated. *Nord Med* 1953;**49**:300–1.

77. Yei WK. Evaluation of the protective effect of BCG vaccination against infiltrative pulmonary tuberculosis in the young adult. *Zhonghua Jie He He Hu Xi Za Zhi* 1991;**14**:295–7.

Inappropriate study type

1. Anon. Prophylactic vaccination of the newly born against tuberculosis. *Br Med J* 1927;**1**:845–6.

2. Anon. BCG again. *Lancet* 1936;**228**:1283–4.

3. Anon. Examination of results of mass vaccination against tuberculosis in Uruguay. *Hoja Tisiolog* 1950;**10**:426–30.

4. Anon. Protective value of BCG vaccination. *Indian Med Gaz* 1950;**85**:74–7.
5. Anon. Mass vaccination against tuberculosis. *Ugeskr Laeger* 1952;**114**:98–9.
6. Anon. Vaccination against tuberculosis: is it effective. *Afr Med J* 1952;**26**:162–4.
7. Anon. BCG campaign against tuberculosis. *Antiseptic* 1952;**49**:489–91.
8. Anon. BCG vaccination in the campaign against tuberculosis. *Rev Tuberc* 1953;**17**:371–87.
9. Anon. Report of the work of the World Health Organization's Tuberculosis Research Bureau on B.C.G. vaccination. *Rev Tuberc* 1953;**17**:712–18.
10. Anon. Tuberculosis in the armed forces and its, control by BCG vaccination; a report to the research committee of the British Tuberculosis Association. *Tubercle* 1957;**38**:249–58.
11. Anon. BCG vaccination. *Science* 1958;**127**:1230–1.
12. Anon. The role of BCG vaccination. *Tubercle* 1958;**39**:330–1.
13. Anon. The paradox of BCG. *N Eng J Med* 1969;**281**:559–60.
14. Anon. BCG vaccination in Canada. *CMAJ* 1970;**103**:642–3.
15. Anon. Unselective B.C.G. vaccination. *Lancet* 1970;**295**:556–7.
16. Anon. BCG vaccine and the vaccine prepared with BRC for the prevention of tuberculosis in adolescents and young adults. 4th report to the Medical Research Council by its Tuberculosis Vaccines Clinical Trials Committee. *Bol Oficin Sanit Panam Pan Am Sanit Bur* 1972;**73**:530–52.
17. Anon. Does BCG administration produce an immunization of a controlled primary infection? *Medicina* 1978;**38**:322–3.
18. Anon. The efficacy of B.C.G. vaccinations. *Antiseptic* 1979;**76**:789–90.
19. Anon. BCG vaccination in the newborn and young infants. *Wkly Epidemiol Rec* 1980;**55**:1–3.
20. Anon. Inadequacy of BCG vaccines; experts asked to judge results of a field trial. *Med Hyg* 1980;**38**:197–200.
21. Anon. BCG vaccination. *Indian J Tuberc* 1981;**28**:115–16.
22. Abakay A, Abakay Ö, Tanrikulu AÇ, Coşkunsel M. Close contacts examination and chemoprophylaxis care level of Diyarbakir no 1 tuberculosis control dispensary. *Goztepe Tip Dergisi* 2006;**21**:129–35.
23. Abayagunawardana DVP, Lockwood D, Dow L. The indirect assessment of BCG efficacy in Sri Lanka. *Bull Int Union Against Tuberc* 1982;**57**:82.
24. Abid A, Benjelloun A, Zineddine A, Najib J, Dehbi F. Pulmonary tuberculosis in vaccinated and non vaccinated infants. *Pediatr Pulmonol* 1997;**24**:330.
25. Abramovskaya AK. Vaccination and revaccination against tuberculosis. *Zdravookhranenie Belorussii* 1979;**25**:25–9.
26. Acevedo Diaz M. BCG vaccination and tuberculosis. *Obstet Ginecol Lat Am* 1955;**13**:79–85.
27. Albertin MM. Une pouponniere de vaccination BCG-S, complement d'une station climatique de cure de la tuberculose pulmonaire. *Bull Acad Natl Med* 1949.
28. Allan WG. Tuberculosis in Hong Kong ten years later. *Tubercle* 1973;**54**:234–46.
29. Amann L. Chemoprevention of tuberculosis in children. *MMW Fortschr Med* 1973;**115**:588–93.

30. Andrade P, Mallol V. Efecto protector de la vacuna BCG en Chile: antecedentes, estado actual y perspectivas. *Rev Chil Pediatr* 2009;**67**:36–42.

31. Anthoine D. BCG. *Revue du Praticien* 1989;**39**:2260–2.

32. Aoki M. *Tuberculosis* control strategy in the 21st century in Japan – For elimination of tuberculosis in Japan. *Kekkaku* 2001;**76**:549–57.

33. Badger TL. Immunity to tuberculosis as revealed from studies of tuberculosis in nurses. *Lancet* 1965;**85**:84–90.

34. Bahov J. 18 years of application of BCG vaccine in medical practice. *Rev Tuberc Pneumol* 1969;**33**:557–9.

35. Bard SM. Pulmonary tuberculosis in Hong Kong university students. *J Am Coll Health Assoc* 1965;**13**:319–30.

36. Bartmann K. Prevention of tuberculosis with BCG and isoniazid, alone and in combination, in animal and man. *Tuberk* 1962;**16**:329–57.

37. Bartmann K. Vaccination and chemoprophylaxis as comprehensive measure for tuberculosis prevention. *Offentl Gesundheitsdienst* 1964;**26**:263–72.

38. Battigelli G. Tuberculosis vaccination. *Rass Giul Med* 1950;**6**:443–54.

39. Behrendt H. Inocculation tuberculosis and BCG vaccination. *Med Klin* 1951;**46**:1108.

40. Belke J. BCG vaccination in Poland after World War II. *Pediatr Pol* 1949;**23**:674–91.

41. Bellin E, Wheeler JG, Rodrigues LC, Diwan V, Comstock GW, Colditz GA, *et al.* Efficacy of BCG vaccine. *J Am Med Assoc* 1994;**272**:765–6.

42. Belmont AP, Gardiner R, Stead WW. Protection against tuberculosis. *N Eng J Med* 1968;**278**:111–12.

43. Benito de Cárdenas IL. El papel del odontólogo en el control de la infección tuberculosa. *Rev Círc Argent Odontol* 2001;**29**:26–30.

44. Berger K. Die Herstellung des BCG-Impfstoffes – Mit besonderer Berücksichtigung der an der Wiener Impfstoffgewinnungsanstalt angewandten Technik. *Zeitschrift für Hyg Inf* 1953;**136**:1–18.

45. Besnier JM. BCG vaccination. *Revue de Medecine de Tours* 1985;**19**:1019–25.

46. Beutner EH. Tuberculosis of the skin: Historical perspectives on tuberculin and Bacille Calmette Guérin. *Int J Dermatol* 1997;**36**:73–7.

47. Birkhaug K. BCG vaccination in Scandinavia. *Am Rev Tuberc* 1947;**55**:234–49.

48. Biscione C. BCG vaccination throughout the world and its effects on tubercular morbidity. *Lotta contro la tubercolosi.* 1968;**38**:71–83.

49. Black RA. BCG Vaccination in Chicago. *Am J Dis Child* 1949;**77**:3–8.

50. Blasi A, Babolini G, Biscione C. BCG immunization. *Lotta Cont Tuberc Malat Polmon Soc* 1977;**47**:345–56.

51. Bloch H, Boyden S. Vaccination against tuberculosis. *Biblio Tuberc* 1955;**9**:1–6.

52. Bonnet H. Reflections on antituberculosis vaccination. *Rev Clin Inst Matern Lisb* 1967;**18**:305–15.

53. Bosley ARJ. Outbreak of pulmonary tuberculosis in children. *Lancet* 1986;**327**:1141–3.

54. Boszormenyi M. Results, methods and prospectives of tuberculosis control in Hungary. *Orv Hetil* 1968;**109**:393–8.

55. Braun MM, Cauthen G. Relationship of the human immunodeficiency virus epidemic to pediatric tuberculosis and bacillus Calmette–Guérin immunization. *Pediatr Infect Dis J* 1992;**11**:220–7.

56. Bregere P. Preventive aspects of tuberculosis: BCG immunization and chemoprophylaxis. *Med J Infect Parasit Dis* 1992;**7**:21–3.

57. Brook U, Mendes M. BCG vaccination in children in Israel. *Harefuah* 1980;**98**:230–2.

58. Bryder L. BCG vaccination: comparative perspectives. *Occas Pap Med Hist Aust* 1990;**4**:193–9.

59. Burghard G. Value of B.C.G. vaccination as a method of tuberculosis prevention. *Strasb Med* 1953;**4**:497–502.

60. Burzoni FJ, Durante C, Urbanek V. Towards extinction of pulmonary tuberculosis in the Marrakech Province. *Maroc Med* 1970;**50**:701–4.

61. Buzy P. Vaccination against tuberculosis. *Rev Infirm* 2006;**11**:24–5.

62. Calmette A. Immunization of the Newly Born against Tuberculosis. *Ann Inst Pasteur* 1926;**40**:89–133.

63. Calmette A. Vaccination against tuberculosis with BCG: The present state of the question. *Br J Tuberc* 1932;**26**:115–17.

64. Camargos PAM, Barreto ML, Alvim C, Bedran R. Continuing or discontinuing BCG revaccination in adolescents. *Rev Saude Publica* 2006;**40**:318–20.

65. Cano Parez G. The importance of BCG vaccination in Mexico. *Salud Publica Mex* 1975;**17**:597–611.

66. Carrizo Chuecos JT. Vacuna de bacilos calmette-guerin: BCG. *Arch Venez Pueric Pediatr* 2000;**63**(Suppl.3):S16-S19.

67. Carswell JW. BCG immunization in the children of HIV-positive mothers. *AIDS* 1988;**1**:258.

68. Casoli L. Anti-tuberculosis BCG vaccination. *Lattante* 1958;**29**:185–91.

69. Ceino O. Currof selective compulsory vaccination in Italy. In: Mortality and morbidityent epidemiologic aspects of the problem of tuberculosis and introduction. *Lotta Contro la Tuberculosi e le Malattie Polmonari Sociali* 1977;**47**:7–16.

70. Chieco A. Tubercular morbidity from 0 to 9 years of age in the province of Bologna in the decade 1960–1969 and preventive vaccinations with SDV [Morbosita tubercolare da 0 a 9 anni nella provincia di Bologna nel decennio 1960–1969 e vaccinazioni profilattiche con V.D.S.] *Clin Pediatr* 1970;**52**:285–7.

71. Clarke A, Rudd P. Neonatal BCG immunisation. *Arch Dis Child* 1992;**67**:473–4.

72. Comstock GW. Tuberculosis studies in Muscogee County, Georgia. *Public Health Rep* 1949;**64**:259–63.

73. Comstock GW. An American view of BCG vaccination, illustrated by results of a controlled trial in Puerto Rico. *Scand J Respir Dis* 1972;**53**:207–17.

74. Comstock GW. BCG vaccination among Manitoba Indians. *Am J Public Health* 1986;**76**:1459.

75. Comstock GW. Efficacy of BCG vaccine. *JAMA* 1994;**272**:766.

76. Courcoux. Some Statistics relating to BCG Vaccination. *Bull Acad Natl Med* 1956;**140**:594.

77. Courcoux A. Antituberculosis premunition with B.C.G. *Acta Tuberc Belg* 1950;**41**:211–19.

78. Courcoux A. Vaccination against tuberculosis by BCG. *Toulouse Med* 1952;**53**:75–88.

79. Crecelius W. BCG vaccination. *Dtsch Gesundheitsw* 1951;**6**:199–201.

80. Curci G. Experimental studies of the school of Naples on antituberculosis vaccination. *Archiv Tisiol Malatt Appar Respir* 1968;**23**:631–7.

81. D'Alfonso G, Natale P. Protective value of BCG as demonstrated by statistical studies. *Archiv Tisiol Malatt Appar Respir* 1968;**23**:679–98.

82. Dahlstrom G. BCG vaccination in Sweden. *Tubercle* 1959;**40**:196–200.

83. Dalcolmo MP, Macedo EA, Menezes LL, Paiva MAdS, Sant'Anna CC. Prevençäoda tuberculose: vacinaçäo BCG e quimioprofilaxia. *J Pneumol* 1993;**19**:60–2.

84. Danielski J. BCG vaccination in foreign countries. *Gruzlica* 1949;**17**:420–31.

85. Davies PDO. The BCG vaccine: Does it work? *Biologist* 2001;**48**:151.

86. De Assis A. Deductions from Seventeen Years' Use of BCG Vaccine in Brazil. *Hospital, Rio de Janeiro* 1945;**27**:4–43.

87. De Luca A, Di Cerbo G. Tuberculosis in the first 20 years of life in the Province of Caserta. Epidemiological, clinical and social observations for the period 1963–66. *Rass Int Clin Terap* 1968;**48**:1012–18.

88. de Santos SB. Progress of B.C.G. vaccination in the Philippines. *J Philipp Med Assoc* 1950;**26**:295–305.

89. De Toni G. Antituberculosis vaccination with BCG. *G Ital Della Tuberc* 1950;**4**:131–40.

90. Delle Sedie PF, Nassi N. Epidemiological aspects of tuberculosis and activities of the Antitubercular Provincial Association in the province of Pisa in the 5-year period 1963–67. *Lotta Cont Tuberc* 1968;**38**.

91. Demirjian A, Levy O. Safety and efficacy of neonatal vaccination. *Eur J Immunol* 2009 Jan;**39**:36–46.

92. Dickie AW. BCG Vaccination in Stockholm. *Ulster Med J* 1950;**19**:36–41.

93. Do Nascimento EA. BCG in prevention of tuberculosis. *Rev Div Nacl Tuberc* 1976;**20**:41–53.

94. Do Nascimento EA. Posição da vacina BCG no controle da tuberculose. *Med HUPE-UERJ* 1989;**8**:105–20.

95. Drion R, Peters A, Kromsigt GJ. Tuberculosis epidemics in the Netherlands. *Bull Int Union Against Tuberc* 1968;**41**:64–72.

96. Efimova AA. Preventive vaccination of children against tuberculosis. *Feldsher Akush* 1955;**6**:36–8.

97. Erb-na B. The B.C.G. vaccine. *Chot mai het kan phayaban* 1970;**19**:36–9.

98. Feldmann FM. How much control of tuberculosis: 1937–1957–1977? *Am J Public Health Nations Health* 1957;**47**:1235–41.

99. Fenner F. Vaccination against tuberculosis with B.C.G. vaccine. *Med J Aust* 1952;**2**:767–86.

100. Fernandez Crehuet R. BCG vaccination; its efficacy and importance of its introduction in our country. [Vacunación con B.C.G.; su eficacia e importancia de su implantación en nuestra patria.] *Acta Pediatr Esp* 1950;**8**:919–26.

101. Ferrari V. Antituberculosis BCG vaccination in U.S.S.R. [La vaccinazione antitubercolare col B.C.G.nell'U.R.S.S.] *G Ital Della Tuberc* 1950;**4**:147–8.

102. Fillastre C. Efficacy of BCG in a tropical environment. Current studies in Africa. *Dev Biol* 1986;**58** Part A:281–5.

103. Fine PE, Vynnycky E. The effect of heterologous immunity upon the apparent efficacy of [e.g. BCG] vaccines. *Vaccine* 1998;**16**:1923–8.

104. Fine PEM. Variation in protection by BCG: Implications of and for heterologous immunity. *Lancet* 1995;**346**:1339–45.

105. Fodor T, Patakai G. Results of BCG vaccination in Hungary since 1929: evaluation of its preventive and immunotherapeutic uses [A BCG vakcináció eredményei Magyarországon 1929-tól: a preventív és immunterápiás alkalmazás értékelése.] *Orv hetil* 1998;**139**:3053–4.

106. Fourestier M. Prevention of tuberculosis and leprosy by BCG vaccination in Brazil [La prophylaxie de la tuberculose et de la lapre par le BCG au Brasil]. *Presse Med* 1953;**61**:557–8.

107. Fourie PB. BCG as a protective measure against tuberculosis in health care workers. *Infection Control* 1996;1–2.

108. Francisco SA. Past experiences and recent advances on BCG which justify its use as a preventive vaccine against tuberculosis in the Philippines. *Philippine Med Assoc J* 1948;**24**:683–91.

109. Frappier A, Guy R. The use of BCG. *CMAJ* 1949;**61**:18–24.

110. Frappier A, Cantin M. The study and use of BCG in Canada. *CMAJ* 1966;**57**:395–409.

111. Freerksen E. Tuberkulose-Schutzimpfung. *Dtsch Med Wochenschr* 1982;**107**:1564–9.

112. Fregonese B, Spallarossa D, Battistini E, Rossi GA. Attualita in tema di tubercolosi polmonare. *Riv Ital Ped* 1998;**24**:812–16.

113. Galtung OU. 40 years of experience. *Tidsskr Nor Laegeforen* 1971;**91**:1927–31.

114. Gikovate F. BCG immunization. *Pediatr Prat* 1950;**21**:91–3.

115. Gines AR. BCG vaccination in the prevention of tuberculosis and leprosy. *Arch Urug Med Cir Espec* 1953;**43**:21–6.

116. Ginsburg A, Lederer E. Sur un acide mycolique du bacille calmette-guerin (BCG). *BBA – Biochim Biophys Acta* 1952;**9**:328–9.

117. Gizatulina NM. The efficacy, complications and prospects for the vaccinal prevention of tuberculosis. *Zh Mikrobiol Epidemiol Immunobiolog* 1997;(6):111–16.

118. Gomez MNA. The efficacy of BCG vaccination. *An Pediatr* 1991;**35**:372–3.

119. Green RA, Fine PEM. Efficacy of the BCG revaccination programme in Hong Kong (multiple letters). *Int J Tuberc Lung Dis* 2001;**5**:1161–2.

120. Groulx A. Prevention of tuberculosis and BCG vaccination. *Union Med Can* 1953;**82**:651–3.

121. Guérin N. Evaluation of BCG and new vaccines against tuberculosis. *Pediatr Pulmonol* 1997;**16**:286.

122. Guld J. Fifty years of BCG. *Tubercle* 1972;**53**:148–50.

123. Haas JHD. BCG in Paris. *Maandschrr Kindergenees* 1950;**18**:1–16.

124. Haefliger E. Nature and practical application of BCG vaccination against tuberculosis. *Praxis* 1954;**43**:453–7.

125. Hart PD, Sutherland I, Pollock TM. BCG: The medical research council report. *Tubercle* 1956;**37**:296–7.

126. Hart PD. Efficacy and applicability of mass BCG vaccination in tuberculosis control. *Br Med J* 1967;**11**;87–92.

127. Hart PD, Sutherland I. Efficacy of BCG vaccination in man. *Bull Int Union Against Tuberc* 1968;**41**:28–30.

128. Heaf F, Davies D. Tuberculosis infection and the use of BCG. *J Royal Soc Prom Health* 1950;**70**:138–45.

129. Heiskala H. BCG vaccination & the present situation in Finland in regards to tuberculosis. *Duodecim* 1957;**73**:523–9.

130. Hilleboe HE. BCG. *Am Rev Tuberc Pulm Dis* 1948;**57**:1–5.

131. Hitze K. Results of the controlled trial on BCG conducted in the district of Chingleput in southern India. Immunization against tuberculosis. *Bull Int Union Against Tuberc Lung Dis* 1980;**55**:13–14.

132. Hyge TV. The course of a tuberculosis epidemic in a national school. *Ugeskr Laeger* 1946;**108**:42–3.

133. Karalus NC. Protective effect of neonatal BCG. *N Z Med J* 1987;**100**:325–6.

134. Kenaz J. BCG vaccination in Hungary between the two world wars. *Dev Biol* 1986;**58**:273–5.

135. Kheifets LB. Controlled epidemiological tests for evaluation of protective power of BCG vaccine by intradermal injection. [Russian.] *Vestnik Akademi Meditsinskikh nauk SSR* 1975;**30**:11–22.

136. Kleinschmidt H. BCG Vaccination with Particular Reference to Swedish Experience. *Dtsch Med Wochenschr* 1948;**73**:105.

137. Kleinschmidt H. Tuberculosis in children and BCG vaccination. *Med Monatsschr* 1955;**9**:117–20.

138. Koester R. Vaccination against tuberculosis (BCG-vaccination). *Ther Ggw* 1965;**104**:337–42.

139. Kumar S. 15-year follow-up shows BCG vaccine is not effective in India. *Lancet* 1999;**354**:1619.

140. L'Eltore G. Vaccination against tuberculosis. *Lotta Tuberc* 1951;**21**:436–8.

141. Lacroix. On vaccination against tuberculosis. *Algerie Medicale* 1960;**64**:443–8.

142. Lagrange PH. Preventive vaccination against tuberculosis: BCG. *Ann Pediatr* 1984;**31**:461–8.

143. Langley J, Ellis E, Deeks S. Statement on bacille Calmette–Guérin (BCG) vaccine. *Can Commun Dis Rep 2004*;**30**:1–11.

144. Lenner R. BCG against tuberculosis: 1996. *Conn Med* 1996;**60**:329–34.

145. Levi MZ, Medeiros EAS, Shang N, Soares MCS, Homenko AS, Almeida RM, *et al.* BCG revaccination does not confer additional protection against tuberculosis (TB) in children and adolescents TST reversion in a BCG-revaccinated population of nursing and medical students, São Paulo, Brazil, 1997–2000. *Inpharma Wkly* 2005;**9**:10.

146. Levy-Bruhl D. What place for BCG vaccination in France? *Arch Pediatr* 2002;**9**:1–3.

147. Lisi G. Present status of antituberculosis vaccination with BCG. *Rass Int Clin Ter* 1950;**30**:236–9.

148. Ljubisavljevic S. Our studies on the problem of BCG vaccination in the period from 1959 to 1970. *Plucne Bolesti Tuberk* 1974;**26**(Suppl 2):145–51.

149. Lo Schiavo R. Vaccination or so-called chemotherapy in tuberculosis. *Ann Med Nav* 1957;**62**:721–5.

150. Logunova AG, Burova MD, Dvoirin MS. Result of vaccination of newborn infants against tuberculosis in rural areas of Ukraina. *Probl Tuberk* 1954;**2**:3–7.

151. Lopez Bonilla J. Control of tuberculosis and BCG. *Rev Med Costa Rica* 1952;**11**:31–2.

152. López A, Francisco J. Usos y efectos del bacilio *Mycobacterium bovis* Calmette–Guérin (vacunación con BCG). *Salud Pública Méx* 1997;**39**:156–61.

153. Luelmo F. BCG vaccination. *Am Rev Respir Dis* 1982;**125**:70–2.

154. Lugosi L. Analysis of the efficacy of mass BCG vaccination from 1959 to 1983 in tuberculosis control in Hungary. Multiple comparison of results. *Bull Int Union Tuberc Lung Dis* 1987;**62**:15–34.

155. Macgregor RR, Kirt Avent C, Counts GW, DeMaine JB, Jordan MC, Rosenblatt JE, *et al.* BCG vaccination. *Ann Intern Med* 1970;**73**:339.

156. Mallol J. Efficacy of BCG immunization against tuberculosis in children. *Pediatr Pulmonol* 1995;**19**:23.

157. Malmros H. Efficacy of BCG vaccination. *Br Med J* 1948;**1**:1129–32.

158. Mande R. BCG vaccination of children under 6 years old and of persons with whom they have contact. *Pediatrie* 1976;**31**:703–12.

159. March Ayuela P. On the supposed protection of BCG vaccine in university students. *Rev Clin Esp* 1987;**180**:226–7.

160. McDonnell CE. B.C.G. and tuberculosis. *McGill Med J* 1951;**20**:104–17.

161. McKone B. BCG vaccination in the prevention of tuberculosis. *CMAJ* 1948;**58**:575–7.

162. Mokhtari L, Rouillon A, Dam HT. Study of a method for evaluating the BCG campaign in Algeria. *Bull Int Union Tuberc* 1970;**44**:104–33.

163. Monaldi V. BCG vaccination as compared with reinfections. *Arch Tisiol Mal Appar Respir* 1955;**10**:75–80.

164. Mori T, Takamatsu I, Tokudome O, Hattori S, Uchiyama H, Takahashi M, *et al.* Tuberculosis in the young aged population under low prevalence situation: problems and prevention. *Kekkaku* 1995;**70**:521–3.

165. Neumann G. BCG vaccination of the nursing personnel. *Dtsch Med Wochenschr* 1970;**95**:1995.

166. Neumann G. BCG vaccination. *Bundesgesundheitsblatt* 1975;**18**:17–19.

167. Nikolic D. Results of conducted tuberculin testing and BCG-vaccination in a large area of city Belgrade. *Tuberkulosa* 1968;**20**:9–15.

168. Nindl V, Kubicek V. BCG in the control of tuberculosis. *S Afr Med J* 1964;**38**:221–2.

169. Nisar M, Davies PDO. BCG vaccination of schoolchildren in England and Wales. *Thorax* 1990;**45**:646–7.

170. Nishioka SDA, Thilothammal N. BCG and prevention of tuberculous meningitis. *Arch Dis Child* 1996;**75**:267.

171. North EA. BCG vaccination against tuberculosis. *Med J Aust* 1949;**2**:161–5.

172. Novais M. BCG and BRC vaccines in the prevention of tuberculosis in adolescents and young adults. *Bol Oficina Sanit Panam* 1964;**57**:139–50.

173. Nozic S. Tuberculosis control in Denmark and Czechoslovakia. *Vojnosanitetski Pregled* 1967;**24**:425–6.

174. Nungester WJ. Active immunization against tuberculosis. *J Mich State Med Soc* 1958;**57**:689–92.

175. Olvera R, López IY. Evaluation of the Program for Control of tuberculosis in the Mexican Republic. *Sal Publ Mexico* 1982;**24**:313–19.

176. Omodei Zorini A. Respective Roles of BCG and Isoniazid Chemoprophylaxis in the Prevention of Tuberculosis in Under-developed and Developing Countries. *Ann San Pub* 1965;**26**:4–89.

177. Pagtakhan RD, Thomson MP, Reis FJC. Tuberculosis and BCG vaccination in patients: The Manitoba experience. *Bull Int Union Tuberc* 1982;**57**:42.

178. Palmer CE, Shaw LW. Present status of BCG studies. *Am Rev Tuber* 1953;**68**:462–6.

179. Partenheimer RC. BCG Vaccination. *N Eng J Med* 1951;**245**:496–501.

180. Pasargiklian M. Vaccination in the prevention of tuberculosis. *Lotta Tuberc* 1967;**37**:49–59.

181. Paul Y, Mehta S, John TJ, Boob RG. Does BCG immunization prevent tuberculosis? *Indian Pediatr* 1995;**32**:1135–8.

182. Pavia AT. BCG vaccine reduces the risk for tuberculosis. *Ann Intern Med* 1994;**121**:22.

183. Petroff SA. A new analysis of the value and safety of protective immunization with BCG (Bacillus Calmette–Guérin). *Am Rev Tuberc* 1929;**20**:275–96.

184. Pio A. Efficacy of BCG vaccine in man. *El Torax* 1968;**17**:213–23.

185. Polak MF. Protective activity of tuberculosis vaccines. *Ned Tijdschr Geneeskd* 1972;**116**:2059.

186. Pollock TM. Pulmonary tuberculosis: the last stages? [c] Prevention of tuberculosis by B.C.G. vaccination. *J R Soc Health* 1960;**80**:494–8.

187. Popovac D. Conduction of BCG-vaccination in the Autonomic Province Kosovo. *Plucne Bolesti i Tuberkuloza* 1969;**21**:150–4.

188. Preas S. BCG vaccination against tuberculosis. *The Milbank Memorial Fund Quarterly* 1947;**25**:215–22.

189. Raman TS, Nath R, Krishnamurthy L. Tuberculosis in children with reference to their immunization status: a hospital based study. *Indian Pediatr* 1992;**29**:121–2.

190. Ridell M, Larsson LO. Extensive outbreak of tuberculosis among pupils in an English school. Can it hit Sweden, too. *Lakartidningen* 2001;**98**:3543–4.

191. Rocco L. Prophylactic Savioli's diffusing vaccine in Trieste [Il contributo di Trieste alla vaccino-profilassi con V.D.] *La Clinica pediatrica* 1970;**52**:329–31.

192. Rodriguez JFG, Garcia JMA. Tratamiento de la tuberculosis. Ayer, hoy … y manana. *Med Clin* 1997;**108**:389–95.

193. Rosenthal SR. BCG vaccination and tuberculosis control in hospitals. *Am J Nurs* 1948;**48**:783–6.

194. Saame H. Über Komplikationen und 'Mißerfolge' der BCG-Impfung. *Z Kinder* 1950;**68**:276–96.

195. Sartwell PE. BCG vaccination in Massachusetts. *N Engl J Med* 1973;**288**:521–2.

196. Savilahti M. Tuberculous Diseases among BCG-Vaccinated Recruits. *Nord Med* 1947;**33**:2–4.

197. Sayago G. Vaccination with BCG in Cordoba. *Chest* 1949;**16**:284–7.

198. Scarpa AL. Current tubercular epidemiological situation, data on tuberculin tests and preliminary results of vaccination in the province of Cagliari. *Ital Mal Torace* 1969; (Suppl. 1):48–51.

199. Schmid Ch P. Immunoprophylaxis by inoculation of BCG. *Therapiewoche* 1981;**31**:1749–50.

200. Scholer H. BCG vaccination in prevention of tuberculosis. *Praxis* 1951;**40**:383–95.

201. Sergent E. BCG in Algerian infants: the results of ten years' employment. *Arch Inst Pasteur d'Algerie* 1934;**12**:368–9.

202. Shield MJ, Stanford JL, Rook GAW. The reason for the reduction of the protective efficacy of BCG in Burma. *Int J Lepr* 1979;**47**(Suppl. 2):IA7.

203. Silanos G. Severity and extent of morbidity in subjects after BCG intradermal multipunctures at birth. *Clini Pediatr* 1970;**52**:315–16.

204. Singh KK. Protective effect of BCG vaccination in infant Asians. *Arch Dis Child* 1988;**63**:1417–18.

205. Sleptsov AP. Prophylactic inoculations against tuberculosis in children. *Feldsher Akush* 1980;**45**:18–20.

206. Slottved A, Petersen B, Olsen HC, Gravesen PB. *New tuberculosis cases* 1944–50 with reference to BCG vaccination. *Nord Med* 1952;**48**:1310–11.

207. Smith PG. Case–control studies of the efficacy of BCG against tuberculosis. *Bulle Int Union Tuberc Lung Dis* 1987;**62**:73–9.

208. Srinivasan S, Mahadevan S. Tubercular meningitis after BCG vaccination. *Indian Pediatr* 1989;**26**:845.

209. Steinbruck P. The tuberculosis situation in the German Democratic Republic. *Z Arztl Fortbild*1961;**55**:8–10.

210. Styblo K, Meijer J. Impact of BCG vaccination programmes in children and young adults on the tuberculosis problem. *Tubercle* 1976;**57**:17–43.

211. Sutherland I, Springett VH. Efficacy of BCG. *Lancet* 1980;**1**:489.

212. Taylor PM. Protective effect of neonatal BCG. *N Z Med J* 1987;**100**:359.

213. Tazza R. Tubercular epidemiology and preliminary experiences with BCG vaccination in the province of Terni. *Lotta contro la tubercolosi* 1968;**38**:165–9.

214. Terlikbaev AA, Melkumov GA, Munaĭtbasova GA, Budnevich RI, Derbisova RO. Effectiveness of tuberculosis control measures in trial districts and cities of Kazakhstan. *Probl Tuberk* 1981;**6**:3–6.

215. Tripathy SP. The Chingleput BCG trial: a ten-year report. *Bull Int Union Against Tuberc* 1982;**57**:43.

216. Urgoiti A. 18 years of antituberculous vaccination with BCG. *Rev Esp Tuberc* 1951;**20**:25–7.

217. Valenzuela B, Ferrer Soria-Galvarro X, Leal S. I, Pacheco M, Castillo B, Cumsille Garib F. Estudio comparativo de la eficacia de dos tipos de vacunas BCG administradas en dosis diferentes. *Rev Méd Chile* 2010;**126**:1126–31.

218. Vivenzio L. Preliminary experiences with antitubercular vaccination in Molise. *Lotta Tuberc* 1968;**38**:234–41.

219. Voith L. Tuberculosis morbidity of BCG-vaccinated persons. *Orv Hetil* 1954;**95**:1151–5.

220. Wallgren A. Protective effect of BCG vaccination against various types of tuberculous disease. *Bull Int Union Against Tuberc* 1966;**38**:7–15.

221. Wasz-Hockert O. BCG vaccination and prophylaxis of tuberculosis in children. *Duodecim* 1970;**86**:1233–7.

222. Weleminsky F. Die immunisierung gegen tuberkulose mit Calmettes BCG. *Klin Wochenschr* 1930;**9**:1317–20.

223. Whyte K, Zhanel G. Role of the BCG vaccine for prevention of tuberculosis in Canada. *Can J Hosp Pharm* 1997;**50**:233–6.

224. Windorfer A. BCG immunization and tuberculosis morbidity. *Dtsch Med Wochenschr* 1973;**98**:1414.

225. Winter S, Wartski S, Hirsch A. Tuberculosis in Israel and BCG vaccination. *Fam Physician* 1985;**13**:3–50.

226. Young TK. A BCG trial in Canada's native populations. *CMAJ* 1982;**127**:1164.

227. Young TK. BCG vaccination among Canadian Indians and inuit: The epidemiological bases for policy decision. *CMAJ* 1985;**76**:124–9.

228. Zapf K. Uber die feinstruktur des zytoplasmas in ultradannschnitten von *Mycobakterium tuberculosis* (BCG). *Naturwissn* 1957;**44**:448–9.

229. Zapf K. Untersuchungen uber wachstum und vermehrung und zur zytologie des *Mycobacterium tuberculosis* (BCG). *Naturwiss* 1957;**44**:311–12.

Study did not include vaccinated and unvaccinated participants

1. Anon. Research Committee Report. Present effectiveness of BCG vaccination in England and Wales. *Tubercle* 1975;**56**:2–137.

2. Abruzzi WA. Tuberculosis: incidence among American medical students, prevention and control and the use of BCG. *N Engl J Med* 1953;**248**:17–19.

3. Aguilar A, Alvarado G. Riesgo anual de infección tuberculosa y su tendencia evolutiva en escolares de 6 a 9 años, en Trujillo-Perú. *Rev Méd Hered* 1996;**7**:75–83.

4. Anderson H, Belfrage H. Ten years' experience of BCG-vaccination at Gothenburg. *Acta Paediatr* 1939;**26**:1–11.

5. Aseev DD, Ursov IG, Marova NL. Experience in the practical reduction and elimination of tuberculosis among children in Klin [Oyt prakticheskogo snizheniia i likvidatsii zabolevaemosti tuberkulezom deteĭv Klinu.] *Pediatriia* 1967;**46**:64–8.

6. Azouz L, Klarnet JA. Tubercular diseases observed in Tunisia in persons vaccinated with B.C.G [Maladies tuberculeuses observées en Tunisie chez les sujets vaccinés au B.C.G.] *Tunis Med* 1967;**45**:219–21.

7. Bade N, Chhaparwal BC, Singh SD, Pohowalla JN. Evaluation of B.C.G. and small-pox vaccination in neonates. *Indian Pediatr* 1972;**9**:762–6.

8. Bahr G, De Costello LAM, Alahdab Y, Stanford J. Epidemic tuberculosis in North Lebanon. *Lancet* 1991;**337**:983–4.

9. Barras G. Silicotuberculosis in Switzerland [Silico-tuberculose en Suisse.] *Swiss Med Wkly* 1970;**100**:1802–8.

10. Boque Genovard MA, March Ayuela P. School microepidemics of tuberculosis. 13 Cases from the Barcelona province 1779. *An Pediatr* 1989;**30**:261–4.

11. Boris VM. [Postvaccinal allergy and morbidity of tuberculosis in young children in peroral and intracutaneous BCG vaccination.] *Probl Tuberk* 1967;**45**:12–14.

12. Breu K. Beobachtungen aber die Tuberkulose bei den auslandischen Arbeitnehmern. *Beit Klin Tuberk* 1967;**136**:239–43.

13. Bulian T. Tuberculosis at Chioggia: a comparative study of vaccinated and unvaccinated schoolchildren over the ten years 1955–1964. *Panminerva Med* 1966;**8**:485–6.

14. Calmette A, Guérin C, Negre L, Bocquet A. Sur la vaccination preventive des enfants nouveau-nés contre la tuberculose par le BCG. *Ann Insti Pasteur* 1927;**41**:201–32.

15. Cheminat JC, Maisonneuve ML, Molina C. Problem of tuberculous superinfections in school populations vaccinated by B.C.G. [Le problème des surinfections tuberculeuses dans la population scolaire vaccinée par le B.C.] *Rev Tuberc Pneumol* 1971;**35**:326–32.

16. Couve P, Picard MD. Children considered tubercular and previously vaccinated by BCG. [Enfants considérés comme tuberculeux et vaccinés antérieurement par le BCG.] *Ann Pediatr* 1967;**14**:159–62.

17. Daenen J. Anti-tuberculosis Vaccination with BCG. *Brux Med* 1948;**28**:42–93.

18. Despierres G, Phélip H. Tuberculosis after BCG. *Ann Pediatr* 1967;**14**:152–4.

19. El'kin AI. Vaccination and revaccination against tuberculosis in the Shebekin district of the Belgorod region. [Provedenie vaktsinatsii i revaktsinatsii protiv tuberkuleza v Shebekinskom raone Belgorodskoa oblasti.] *Probl Tuberk* 1966;**44**:12–14.

20. Errezola Saizar M, Arístegui Fernández J, Gutiérrez Villamayor C, Pérez Díaz L, Zubillaga Huici P. Epidemiology of childhood tuberculosis in the Basque Autonomous Community 1980–89. Efficacy of BCG vaccination. *An Esp Pediatr* 1992;**36**:177–80.

21. Frank K. Frequency of acute severe tuberculosis in children with and without BCG vaccination [Haufigkeit der akuten schweren Tuberkulose bei Kindern mit und ohne BCG-Schutzimpfung.] *Acta Paediatr* 1950;**39**:115–21.

22. Gaudier B, Bonte C. Tuberculosis in BCG vaccinated children. *Ann Pediatr* 1967;**14**:148–51.

23. Geefhuysen J, Freiman I. Tuberculosis notwithstanding BCG vaccination. *S Afr Med J* 1975;**49**:1706–8.

24. Georges-Janet L, Dollfus-Odier E, Klein ML. Future of BCG vaccinated children back in contact. *Ann Pediatr* 1967;**14**:97–108.

25. Gervois M, Laroche G. BCG vaccination: practical applications and results [La vaccination B.C.G.: applications pratiques et resultats.] *Lille Med Journal Facul Med Pharmac Univer Lille* 1971;**16**:332–8.

26. Gorlero Bacigalupi R. BCG and tuberculosis [B.C.G. y tuberculosis.] *Arch Pediatr Urug* 1953;**24**:169–72.

27. Guzman Marcelino A, Obdulia Castillo A, Martinez Pichardo FA, Jimenez MA. Prueba de la tuberculina en ninos menores de 4 anos sin B.C.G. un una poblacion de 200 ninos haitianos y 200 dominicamos en 1982. *Arch Domin Pediatr* 1984;**20**:91–3.

28. Halasz S. Role of the infection source and BCG as reflected in the rate of morbidity among children under 6 years of age. *Tuberkulozis* 1960;**13**:333–6.

29. Heimbeck J. Incidence of tuberculosis in young adult women with special reference to employment. *Br J Tuberc* 1938;**32**:154–66.

30. Hertzberg G. *The achievements of BCG vaccination illustrated by material at the Tuberculosis Department of the Oslo Public Health Service*. Oslo: Public Health Service; 1948. pp. 224.

31. Holm J. BCG vaccination in Denmark. *Public Health Rep* (1896–1970) 1946;**61**:1298–315.

32. Jeena PM, Mitha T, Bamber S, Wesley A, Coutsoudis A, Coovadia HM. Effects of the human immunodeficiency virus on tuberculosis in children. *Tuberc Lung Dis* 1996;**77**:437–43.

33. Kochnova IE, Genkina VN, Kazankova NV, Shelomkova GN. Use of the BCG vaccine for prophylaxis of tuberculosis and non-specific respiratory diseases in adults. *Sovet Med* 1980;**43**:53–6.

34. KPTG. Randomised controlled trial of single BCG, repeated BCG, or combined BCG and killed *Mycobacterium leprae* vaccine for prevention of leprosy and tuberculosis in Malawi. Karonga Prevention Trial Group. *Lancet* 1996;**348**:17–24.

35. Kringelbach J. Tuberculosis in children; a comparison of patients hospitalized 1940 and 1950. [Tuberkulose i barnealderen; en sammenligning mellem hospitalsbehandlede patienter i 1940 og 1950.] *Ugeskr Laeger* 1952;**114**:678–85.

36. Latos T, Szelachowska-Niedbach J, Jasiurski Z. Evaluation of BCG vaccination based on the examination of children with pulmonary tuberculosis [Praba oceny wartosci szczepien BCG na podstawie analizy dzieci chorych na gruzlice pluc.] *Pneumonol Pol* 1984;**52**:485–8.

37. Leskiewicz H, Iwanowa O. [Tuberculosis in children previously vaccinated with intradermal BCG during 1956–1959.] *Gruzlica* 1961;**29**:453–62.

38. Leung CC, Wing WY, Kwok CC, Cheuk MT, Chi KC, Wing SL, *et al.* Risk of active tuberculosis among schoolchildren in Hong Kong. *Arch Pediatr Adolesc Med* 2006;**160**:247–51.

39. Lorber J, Menneer PC. Long-term effectiveness of BCG vaccination of infants in close contact with infectious tuberculosis. *Br Med J* 1959;**1**:1430–3.

40. Macdowell Filho A. BCG vaccination in children exposed to tuberculosis. [Vacinanao B.C.G.em crianasas com contagio tuberculoso.] *Rev Bras Tuberc Doencas Torac* 1952;**20**:165–70.

41. Marcelle Nicolle. Fonctionnement du service public des nouvelles vaccinations pendant l'année 1930. *Arch Pasteur Tunis* 1931;**1931**:122–9.

42. Matteucci L. Antituberculosis vaccination; study and statistical contribution. [La vaccinazione antitubercolare; considerazioni e contributo statistico.] *Clin Pediatr* 1954;**36**:211–18.

43. Mayo REP, Stanford JL. Double-blind placebo-controlled trial of *Mycobacterium vaccae* immunotherapy for tuberculosis in KwaZulu, South Africa, 1991–97. *Trans R Soc Trop Med Hyg* 2000;**94**:563–8.

44. McCain PP. A report of the study of 25,048 school children for tuberculosis. *South Med J* 1929;**22**:310–20.

45. McKeown D, Kelly P, Clancy L. Neonatal Bcg Vaccination Is Associated With Significantly Fewer Cases of Tuberculosis in the Paediatric Population in Ireland. *Ir J Med Sci* 1994;**163**:206.

46. McKinstry RN. Results of B.C.G. Vaccination in Jersey. *Public Health* 1953;**66**:191–3.

47. Millet M. Fifty years fight against tuberculosis in Belgium. *Acta Tuberc Pneumolo Belg* 1975;**66**:27–35.

48. Mitinskaya LA, Demeshko ND, Efimova AA, Litseva OA, Yablokova TB, Levi DT, *et al.* Comparative assessment of the newborn BCG- and BCG-M vaccination effectiveness. *Prob Tuberk* 1990;**68**:3–5.

49. Morrone N, Do Carmo Cruvinel M, Dourado AM. Influence of previous BCG vaccination on the severity of thoracic tuberculosis in children. Evaluation through thoracic X-rays. *São Paulo Med J* 1987;**105**:146–51.

50. Moussavou Kombila JB, Boguikouma JB, Klotz F, Auleley CR, Nguemby Mbina C. Tuberculosis in the Internal Medical Service of Libreville. *Med Af Noire* 1989;**36**:547–51.

51. Munk B. Tuberculosis morbidity of BCG vaccinated children in Berlin-West 1962–1967 [Beitrag zur Tuberkulosemorbiditat BCG-gempfter Kinder in West-Berlin 1962–1967.] *Gesundheitswesen* 1971;**33**:199–208.

52. Narmada R, Shanmugasundaram R, Raju VB. Tuberculosis in children vaccinated with B.C.G. *Indian Pediatr* 1970;**7**:488–91.

53. Nico JP, Lousteau-Chartez M. BCG vaccination in children of Courbevoie; its effects on tuberculosis incidence. *Rev Tuberc* 1954;**18**:668–76.

54. Nigovorin VK. Experience with antitubercular vaccination by the intradermal method in rural regions of the Cheliabinsk district. *Probl Tuberk* 1965;**43**:8–10.

55. Norviit L. Die bedeutung von primartuberkulose und anderen lungeninfektionen er die entstehung der silikose. *Int Arch Gewerbepathol Gewerbehyg* 1964;**20**:587–603.

56. Ormerod LP, Horsfield N. Tuberculosis in unvaccinated children, adolescents, and young adults. *Br Med J Clin Res* 1983;**286**:1746–7.

57. Pampe E. Contagious tuberculosis in village schools and its effect on BCG vaccinated and unvaccinated children. *Z Tuberk* 1955;**106**:334–8.

58. Paul R. The effects of vole bacillus vaccination of African mine workers in the Northern Rhodesian copper mines. *Brit J Ind Med* 1961;**18**:148–52.

59. Rogoz I, Plopeanu G. Epidemic of tuberculosis in a school environment. [Epidemie de tuberculoza în mediul scolar.] *Ftiziologia* 1971;**20**:165–8.

60. Rohmer P, Burghard G, Jung C, Lamy A. Protection of children against tuberculosis by BCG. Experience in Strasbourg (1955–1965). *Ann Pediatr* 1967;**14**:109–11.

61. Rokni'C B, Pavicevi'C R, Roknic B, Horvat Grubac A, Pavicevic R. [Evaluation of tuberculous morbidity following BCG vaccination.] *Tuberkuloza* 1963;**15**:5–20.

62. Sohier R. BCG Vaccination in pre-military schools: observations and results. *Rev Immunol* 1952;**16**:3–93.

63. Surmely F. L'Infection tuberculeuse aux ouled djellal (sud constantinois) etudiee par les cuti-reactions tuberculiniques. *Arch Inst Pasteur Alger* 1934;370–82.

64. Teppo L. The tuberculosis morbidity among pathologists in Finland. *Scand J Respir Dis* 1974;**55**:5–61.

65. Tipayamongkholgul M, Podhipak A, Chearskul S, Sunakorn P. Factors associated with the development of tuberculosis in BCG immunized children. *Southeast Asian J Trop Med Public Health* 2005;**36**:145–50.

66. Vallet L. Actual protective power of BCG [Pouvoir de protection rael du BCG.] *Ann Pediatr* 1967;**14**:139–40.

67. Vuilleumier P. Tuberculosis contamination of young adults vaccinated with BCG vaccine [Contamination tuberculeuse de jeunes adultes vaccinés au BCG.] *Rev Med Suisse Romande* 1951;**71**:266–76.

68. Wasz-Hockert O, Genz H, Landmann H, Ocklitz H. The effects of systematic BCG vaccination of newborns on the incidence of postprimary tuberculosis meningitis in childhood. *Bull Int Union Against Tuberc Lung Dis* 1988;**63**:49–51.

69. Wegrzynowska K. Tuberculosis morbidity among persons vaccinated with BCG [Zachorowania na gruzlice wsród szczepionych BCG.] *Gruzlica* 1958;**26**:1–14.

70. Weil-Halle B, urpin R. Sur la vaccination antituberculeuse de les enfant par le BCG. *Ann Inst Pasteur* 1927;**41**:254–70.

71. Weingartner L. Tuberculous diseases in BCG-vaccinated children [Tuberkulose Erkrankungen bei BCG-schutzgeimpften Kindern.] *Dtsch Gesundheitsw* 1956;**11**:162–8.

72. Wu ZR. Seven consecutive yearly survey of tuberculosis epidemiology and control of a rural community in Beijing suburb. *Zhonghua Jie He He Hu Xi Za Zhi* 1984;**7**:7–9.

73. Wunderwald A. Experiences with a group rated 'susceptible' to tuberculosis infection [Erfahrungen bei einer Gruppe mit einem abschatzbaren infektiasen Tuberkulose-Belastungsrisiko.] *Pneumonologie* 1971;**145**:57–60.

74. Zapasnik-Kobierska H, Stopnicka M. Morbidity of tuberculosis in children vaccinated with B.C.G. in Warsaw [La morbidité tuberculeuse chez les enfants vaccinas au B.C.G. à Varsovie.] *Rev Tuberc* 1955;**19**:368–83.

Study did not report outcome data on tuberculosis disease and/or tuberculosis mortality

1. Abramovskaya AK. Infection rate and incidence of tuberculosis among the BCG revaccinated adults. *Probl Tuberk* 1978;**56**:3–6.

2. Arantes GR, Nardy SMC, Weiler RM, Belluomini M. Estimativa do risco de infecção tuberculosa em populações vacinadas pela BCG. *Rev Saúde Pública* 2010;**26**:96–107.

3. Arantes GR, Nardy SMC, Nassar J. The trend in the risk of tuberculous infection in an area with wide coverage with BCG vaccination Estudo sobre a evolucao do risco de infeccao tuberculosa em area com elevada cobertura por BCG. *Rev Saúde Pública* 1985;**19**:95–107.

4. Arciniegas A, Bonilla L, Guerrero E. Evaluation of BCG vaccination among members of the population under 15 years of age in the Department of Risalda, Colombia, by the sample method. [Evaluación de la cobertura de la vacunación BCG en la población menor de 15 años del departamento de Risaralda, Colombia, por el método de muestreo.] *Rev Panam Salud Publica* 1979;**86**:517–28.

5. Auger DL. Prevention of tuberculosis in Bagot county [La lutte antituberculeuse dans le comta de Bagot.] *Union Med Can* 1953;**82:**1040–5.

6. Azuma Y. B.C.G. vaccination in Japan. *Bull Int Union Against Tuberc* 1972;**47**:157–61.

7. Bandele EO, Olude IO. An analysis of deaths due to tuberculosis at the Lagos University Teaching Hospital. *J Natl Med Assoc* 1985;**77**:643–6.

8. Belger NR. Control of tuberculosis by application of BCG in Turkey [La lutte contre la tuberculose et l'emploi du B.C.G. en Turquie.] *Rev Pathol Gen Physiol Clin* 1953;**53**:784–6.
9. Bethoux L. Resultats de 300 vaccinations par le BCG-S, pratiquees chez des nourrissons nes de parents tuberculeux. *Bull Acad Natl Med* 1952;**136**:543–5.
10. Bhaskaram P, Hemalatha P, Visweswara Rao K. BCG vaccination in malnourished child population. *Indian Pediatr* 1992;**29**:39–44.
11. Bijok U, Quast U. Clinical trials with low doses BCG vaccine strain Copenhagen 1331. *Dev Biol* 1986;**58**:237–42.
12. Bonora S, Concia E, Allegranzi B, Biglino A, Di Perri G, Cayla JA, *et al. Mycobacterium tuberculosis* transmission and HIV status (multiple letters). *Lancet* 2000;**355**:2077–8.
13. Briassoulis G, Karabatsou I, Gogoglou V, Tsorva A. BCG vaccination at three different age groups: Response and effectiveness. *J Immune-Based Therap Vaccines* 2005;**3**:1.
14. Bunch-Christensen K, Horwitz O. Assessment of BCG vaccination in Denmark. *Dan Med Bull* 1969;**16**:48–53.
15. Chausainand R. Essais de vaccination au BCG des jeunes enfants par voie intramusculaire. *Annal Inst Pasteur* 1930;**49**:71–8.
16. Chihota VN, Nyazema NZ, Mashingaidze S, Mutandiro B. TB infection: An exploratory study of BCG protective properties and the possible role of environmental mycobacteria. *Cent Afr J Med* 1998;**44**:145–8.
17. Couvy L. Tuberculosis in Dakar. *Bull Soc Pathol Exot* 1930;**23**:664–7.
18. De Oliveira MPY. BCG vaccination in the Colegio Militar. [Vacinanao pelo B.C.G.no Colegio Militar.] *Rev Port Med Mil* 1953;**1**:173–8.
19. Desai AB, Kabra BL. Smallpox and BCG vaccination in the newborn: follow up study. *Indian Pediatr* 1975;**12**:335–8.
20. Deshpande NS, Deshpande SV. Tuberculosis in BCG vaccinated children. *Indian Pediatr* 1995;**32**:676–8.
21. Dordevic B*M. tuberculosis* in students following BCG vaccination [Oblici tuberkuloze kod ucenika vakcinisanih BCG vakcinom.] *Tuberkuloza* 1955;**7**:239–44.
22. Dumon JF, Mayer M, Brouillet-Gabriel MT, Dumon G. 3 years' experience with B.C.G. vaccination by multipuncture [Une experience de trois ans de vaccination au B.C.G.par multiponctures.] *Rev Tuberc Pneumol* 1969;**33**:1019–22.
23. Efimova AA. Three-year observation of children intradermally vaccinated with BCG vaccine in the neonatal period. *Fede Proc Transl Suppl* 1965;**24**:477–80.
24. Eilerlsen E. Detals of the epidemiology of tuberculosis in Norway in recent years; with particular reference to tuberculin-testing and BCG-vaccination. *Scand J Respir Dis Suppl* 1968;**65**:13–24.
25. Finucane B. B.C.G. and tuberculosis eradication. *Ir Med Assoc J* 1965;**57**:22–3.
26. Frostad S. BCG-vaccination and the epidemiologic situation of tuberculosis among children and young people in Norway. *Beit Klin Tuberk* 1968;**137**:48–50.
27. Golaszewska W. Morbidity of tuberculosis in children vaccinated with BCG. Zachorowania na gruzlice dzieci szczepionych szczepionka BCG.] *Gruzlica* 1954;**22**:123–6.
28. Gordon WL. BCG Vaccination in Birmingham. *Medi Officer* 1957;**98**:18–51.

29. Guler N. The effect of prior BCG vaccination on the clinical and radiographic presentation of tuberculous meningitis in children in Istanbul, Turkey. *Int J Tuberc Lung Dis* 1998;**2**:885–90.

30. Hertzberg G. Factors influencing the effectiveness of B.C.G. vaccination. *Acta Tuberc Scand* 1949;**23**:3–4–354.

31. Jamal Abi-Chahla. Tuberculosis prophylaxis and case-finding in Lebanon. *J Med Liban* 1951;**4**:67–9.

32. KNCV. Tuberculosis control in the era of the HIV epidemic: risk of tuberculosis infection in Tanzania, 1983–1998. *Int J Tuberc Lung Dis* 2001;**5**:2–112.

33. Kochkin AV. Results of field trials of children for tuberculosis in an area with low population density. *Prob Tuberk* 1988;(6):3–5.

34. Kochnova IE. Results of and prospects for antituberculosis vaccination of adults (Russian). *Sovet Med* 1974;**37**:75–81.

35. Kumar R, Dwivedi A, Kumar P, Kohli N. Tuberculous meningitis in BCG vaccinated and unvaccinated children. *J Neurol Neurosurg Psychiatry* 2005;**76**:1550–4.

36. Levine MI. Study of adolescent children inoculated with BCG in early infancy. *Pediatrics* 1950;**6**:853–61.

37. Loth F. Effects of BCG vaccination on the course of skeletal tuberculosis. [Wpllyw szczepien BCG na przebieg gruzlicy kostno-stawowej.] *Gruzlica* 1957;**25**:303–7.

38. Martin M. Vaccination with BCG at the Center for Tuberculosis Detection in Leopoldville, 1949–52 [La vaccination au B.C.G au Centre de Dapistage de la Tuberculose de Leopoldville, 1949–1952.] *Ann Soc Belg Med Trop* 1953;**33**:53–6.

39. Mathur GP, Mathur S, Gupta V, Bhalla JN, Tripathi VN, Kini SM, *et al.* Tuberculosis in children with reference to their immunization status: a hospital based study. *Indian Pediatr* 1991;**28**:569–70.

40. Mimouni J. Notre experience de trois annees de vaccination BCGS au centre de l'O.P.H.S. de Constantine, Etude des cas observes (25 becegeites). *Algerie Med* 1951;**55**:1138–47.

41. Mitinskaia LA. Results and perspectives of intradermal BCG vaccination and revaccination of children and adolescents. [Rezul'taty i perspektivy vnutrikozhnoi vaktsinatsii i revaktsinatsii BTsZh detei i podrostkov.] *Probl Tuberk* 1974;(8):1–4.

42. Mlukadi YD. Prospective cohort study to assess the response to therapy and risk factors for tuberculosis in HIV-infected and uninfected children in abidjan, cote d'ivoire. *Pediatr AIDS HIV Infect* 1996;**7**:459.

43. Onisim E, Barb L, Crişan-Codreanu C, GhindăZ, Ionescu M. Actions to prevent tuberculosis morbidity in the university center of Cluj-Napoca (1970–1984) [Actiunea de prevenire a îmbolnavirilor prin tuberculoza în centrul universitar Cluj-Napoca (1970–1984).] *Viata medicala; revista de informare profesionala si stiintifica a cadrelor medii sanitare* 1986;**34**:137–40.

44. Ortiz Cruz A, Arceo J. Evaluation of the BCG vaccination program in Ciudad Juárez, Chihuahua, 1970 [Evaluación del programa de vacunación con BCG en Ciudad Juárez, Chihuahua, 1970.] *Salud Publica Mex* 1971;**13**:693–9.

45. Parravicini C, Bettini L, Palatresi R, Rampini GF. Selective vaccination with isoniazid-resistant BCG in the town of sondalo. [Vaccinazione selettiva con b.c.g. ini-resistente nel comune di sondalo.] *G Ital Tuberc Mal Torace* 1963;**17**:192–6.

46. Parreira LL. BCG vaccination in elementary schools. [Vacinanao pelo B.C.G. nas escolas primarias.] *J Med* 1953;**22**:633–47.

47. Perez JA, Higgins JA, Castaneda VA. BCG vaccination in the Republic of Ecuador. [Vacunación con B.C.G. en la República del Ecuador.] *Hoja Tisiol* 1950;**10**:159–68.

48. Poddubnaia LV. BCG vaccination and its efficiency in children. *Problemy tuberkuleza i bolezneĭ legkikh* 2006;(1):13–16.

49. Pulickal AS, Fernandez GVJ. Comparison of the prevalence of tuberculosis infection in BCG vaccinated versus non-vaccinated school age children. *Indian Pediatr* 2007;**44**:344–7.

50. Roth A. BCG vaccination scar associated with better childhood survival in Guinea-Bissau. *Int J Epidemiol* 2005;**34**:3–547.

51. Saenz S. Report on the BCG vaccination campaign in Tangier. *Maroc Med* 1950;**29**:859–64.

52. Sayago G. BCG Vaccination in Cordoba (Argentina). *Prensa Medica Argentina* 1948;**35**:30–7.

53. Schafer KH. Die Tbc-Schutzimpfung beim neugeborenen. *Geburtshilfe Frauenheilkd* 1954;**14**:211–16.

54. Somu N, Vijayasekaran D, Ravikumar T, Balachandran A, Subramanyam L, Chandrabhushanam A. Tuberculous disease in a pediatric referral centre: 16 years experience. *Indian Pediatr* 1994;**31**:1245–9.

55. Straus P, Pages A. Early B.C.G. vaccination (apropos of results obtained in a consultation with the PMI of the Paris region) [[La vaccination précoce par le B.C.G. (a propos des résultats obtenus dans une consultation de P.M.I. de la région parisienne).] *Ann Pediatr* 1967;**14**:594–7.

56. Traebert Júnior F, Borges PCdS, Andrade AJ, Ludwig Neto N, Ludwig A. Infecção tuberculosa e sensibilidade tuberculínica pós-vacinal do BCG em 717 escolares do município de Florianópolis, Santa Catarina. *Arq Catar Med* 1987;**16**:9–13.

57. Tupasi TE, Radhakrishna S, Quelapio MID, Villa MLA, Pascual MLG, Rivera AB, *et al.* Tuberculosis in the urban poor settlements in the Philippines. *Int J Tuberc Lung Dis* 2000;**4**:4–11.

58. Vaugelade J. Non-specific effects of vaccination on child survival: prospective cohort study in Burkina Faso. *BMJ* 2004;**329**:1311.

59. Weingartner L. Vergleiche zwischen tuberkulinreaktion und BCG-test. *Beitrage zur Klinik der Tuberkulose und spezifischen Tuberkulose-Forschung* 1964;**128**:1–11.

60. Werner E, Sevy Court, Gonzles Ochoa E. Experience in 450,000 direct BCG vaccinations in Cuba as a continuation of 2 pilot studies by WHO. [Erfahrungen bei 450 000 direkten BCG-Impfungen in der Republik Kuba in Fortsetzung von zwei Pilotstudien der WH.] *Pneumonologie* 1971;**146**:83–5.

61. Widnas K. Tuberculosis in children and BCG vaccination in Vasa. [Tuberculose infantile et vaccination au BCG a Vasa.] *Acta Tuberc Scand Suppl* 1950;**26**:125–7.

62. Wolff HL. BCG vaccination & tuberculosis susceptibility examination in students from 1949–1954. A. Technic & method of obtaining results [B.C.G.-vaccinatie en tuberculose-gevoeligheidsonderzoek van studenten gedurende de jaren 1949–1954.A.De techniek en de tot nog toe verkregen resultaten.] *Acta Leiden* 1957;**26**:202–10.

63. Zapasnik-Kobierska H, Stopnicka M. Incidence of tuberculosis in children vaccinated with BCG [Zapadalnosc na gruzlice dzieci szcsepionych BCG.] *Pediatr Pol* 1954;**29**:7–20.

Study outcome was tuberculosis infection

1. Aronson JD, Taylor HC. The trend of tuberculous infection among some Indian tribes and the influence of BCG vaccination on the tuberculin test. *Am Rev Tuberc* 1955;**72**:35–52.
2. Bachtiar A. Annual risk of tuberculosis infection in West Sumatra Province, Indonesia. *Int J Tuberc Lung Dis* 2008;**12**:255–61.
3. Bhushan K. Assessment of BCG vaccination in India. Third Report. *Indian J Med Res* 1960;**48**:4–17.
4. Braunowa W. BCG vaccination of the Gdansk region. *Gruzlica* 1949;**17**:359–80.
5. Carneiro Braga F, Jesus Cabral Santos ER. Trial of intradermal BCG vaccination. [Ensaio de vacinacao BCG intradermica (joao pessoa, paraiba).] *Rev Divis Nacl Tuberc* 1973;**17**:93–9.
6. Certain DA, Rosenburg CP, Belluomini M. Data analysis of the tuberculous infection investigation and of the first programme of vaccination with intradermic BCG among schoolchildren in São Paulo, Brazil: 1971 to 1974. *Rev Saude Publ* 1975;**9**:125–36.
7. Choi CM, June JH, Kang CI, Park JT, Oh SY, Lee JB, *et al.* Tuberculosis among dislocated North Koreans entering Republic of Korea since 1999. *J Korean Med Sci* 2007;**22**:963–7.
8. Del Rio Camacho G, López EPM, González JR, Canóniga ÃG, Alameda BM, Cabello OM, *et al.* Prevalence of tuberculosis infection in BCG-vaccinated and unvaccinated mediterranean schoolchildren. *Archiv Bronconeumol* 2008;**44**:75–80.
9. Frew HWO. Practical experience with BCG and the vole bacillus in Renfrewshire. *Tubercle* 1954;**35**:277–87.
10. Freyer HU. Epidemiological aspects of tuberculosis among children in Hamburg. *Beitr Klin Erforsch Tuberk Lungenkr/Lung* 1968;**137**:167–70.
11. Haro M, Vizcaya M, Andicoberry Martínez MJ, Cebrián Villodre E, Chocano De La Encarnación H, García Navarro I, *et al.* Trends in the prevalence of tuberculosis among six-year-olds in Albacete (Spain). [Evolución de la prevalencia de la infección tuberculosa en la población escolar de 6 años en Albacete.] *Archiv Bronconeumol* 2002;**38**:221–5.
12. Instituto Nacional de Epidemiología Emilio Coni. Prueba tuberculínica y lesión local después de la vacuna BCG. *Arch Argent Pediatr* 1985;**83**:326–7.
13. Jacobs S. *Mycobacterium tuberculosis* infection in First Nations preschool children in Alberta: implications for BCG (bacille Calmette–Guérin) vaccine withdrawal. *Can J Public Health* 1925;2007. **98**:2–120.
14. Lins De Lima L, Gerhardt Filho G, Barreira Castro EI. Trial of intradermal BCG vaccination of schoolchildren in the principal cities of Brazil. [Ensaio de vacinacao BCG intradermica em escolares das capitais brasileiras.] *Rev Divis Nacl Tuberc* 1974;**18**:286–312.
15. Olsen HC. The use of the tuberculin test in a tuberculosis scheme. Experience in Bornholm. *Tubercle* 1956;**37**:1–57.
16. Rashdan R. Assessment of B.C.G. vaccination programme in Jordan. *Jordan Med J* 1975;**10**:7–18.
17. Rollen A, Bonilla Miera C, González Aledo Linos A, Diego Santamaría MC, Obeso García M, Montes Conde A. Tuberculosis infection prevalence in children younger than 7 years of age in Cantabria. What is the recommended periodicity for the tuberculin test? *Anal Espan Pediatr* 1997;**46**:241–4.

18. Ropek M, Chetkowski A. BCG vaccination in youth of induction age in Poland in 1959–1966. *Gruzlica i choroby pluc*; *tuberculosis et pneumonologia* 1968;**36**:1155–9.

19. Tupasi TE. BCG coverage and the annual risk of tuberculosis infection over a 14-year period in the Philippines assessed from the Nationwide Prevalence Surveys. *Int J Tuberc Lung Dis* 2000;**4**:216–22.

20. Vacchino M, Spillmann C, Lavalle S. Infección por Enfermedad de Chagas, sífilis, brucelosis y TBC en trabajadores rurales del Partido de General Pueyrredón. *Publ Med* 1994;**7**:102–10.

21. Vaughan JP, Menu JP, Lindqvist KJ, Vennema A. Percutaneous BCG immunization trial using the W.H.O. bifurcated needle. *J Trop Med Hyg* 1973;**76**:143–6.

Study did not report individual-level data to construct a 2 × 2 table

1. Burke HE. A follow-up study of household contacts vaccinated with BCG. *Can J Public Health* 1966;**57**:9–94.

2. Domingo P, Ballestero R, Hernandez Perez JM. Effect of BCG vaccination on tuberculosis in children in the city of Habana [La influencia de la vacunacian B.C.G. sobre la tuberculosis infantil de la ciudad de la Habana.] *Rev Cubana Pediatr* 1957;**29**:565–78.

3. Falk W, Lazarini W. Incidence of tuberculosis and BCG inoculation. *Wiener Klin Wochenschr* 1975;**87**:266–70.

4. Flesch I, Halasz S. Data on the preventive and therapeutic effects of BCG vaccination. *Gyermekgyogyaszat* 1955;**6**:365–74.

5. Fourestier M. Assessment of the BOG Campaign in the Town of Montreuil, based on a total of 7,668 vaccinations from 1948 to 1953. *Bull Acad Natl Med* 1954;**138**:275–84.

6. Frangenheim T, Karte H, Lenard HG, Spelger A. Tuberculosis in children in Mannheim and Ludwigshafen from 1970 to 1979. *Monatsschr Kinderheil* 1982;**130**:346–8.

7. Gebhardt M. Hazards of tuberculosis infection and morbidity in the present epidemiologic situation in the Federal Republic of Germany. Findings in Schleswig-Holstein [Infektions- und Erkrankungsrisiko bei der derzeitigen epidemiologischen Tuberkulosesituation in der Bundesrepublik. Ergebnisse aus dem Land Schleswig-Holstein.] *Pneumonologie* 1971;**145**:10–19.

8. Genz H. Tuberculous meningitis caused by incomplete health protection. *Internist* 1973;**14**:79–83.

9. Gervois M, Laroche G, Khalaf R, Dubart AN. Evaluation of the B.C.G. vaccination and radiographic case finding in the mining areas of the north and of the Pas de Calais. *Ann Inst Pasteur Lille* 1971;**22**:341–59.

10. Haro AS. Twenty years later-evaluation of the results of a national mass BCG-vaccination in Finland. *Scand J Respir Dis* 1972;**80**:153–69.

11. Herman S, Rudnik J. An evaluation of the efficacy of BCG vaccinations in Poland (Polish). *Przeglad Epidemiol* 1974;**28**:159–63.

12. Hertzberg G. Tuberculous infection and morbidity among teachers in Norway. *Nord Med* 1946;**30**:23–6.

13. Huong ND, Trach DD, Cheong KC. Protective value of BCG against tuberculosis in children. Controlled trial. *Bull Int Union Against Tuberc* 1982;**57**:82.

14. Landmann H. BCG-vaccination in the GDR: retrospective and prospective view (author's transl). *Z Erkran Atmung* 1979;**153**:50–9.

15. Large SE. B.C.G. Vaccination in the Brigade of Gurkhas. *J R Army Med Corps* 1965;**111**:58.

16. Ljubisavljevic S, Spiro B. Tuberculosis in the village of Baljevac. [Tuberkuloza u selu Baljevcu.] *Srp Arh Celok Lek* 1956;**84**:446–54.

17. Monnet P, Guerrier G. Diminution of the frequency of primary tubercular infection in relation to the application of BCG vaccine. Hospital study. [Diminution de fréquence des primo-infections tuberculeuses en fonction de l'application du vaccin BCG. Enquête hospitalière.] *Ann Pediatr* 1967;**14**:117–18.

18. Novoselsky SA. The effect of BCG vaccination in infants. *Probl Tuberk* 1946;**1**:25–33.

19. Pasi KC. The effect of B.C.G. vaccination on the incidence of tuberculosis in adolescents. *Public Health* 1963;**77**:172–6.

20. Renovanz HD. Pulmonary tuberculosis after BCG vaccination. [Tuberkulose Lungenerkrankungen nach BCG-Impfung.] *Beitr Klin Tuberk Spezif Tuberkuloseforsch* 1958;**119**:99–117.

21. Riley F. Tuberculosis in Hospital Nurses-Five Years Figures. *Monthly Bull Ministry of Health Pub Health Lab Service* 1959;**18**:38–45.

22. Rogonskii VA, Ivanova TN. Effectiveness of vaccination in the reduction of tuberculosis occurence [Effektivnost' vaktsinatsii detei v usloviiakh uluchshaiushcheisia epidemiologicheskoi obstanovki po tuberkulezu.] *Sov Med* 1977;**11**:151–3.

23. Shennan DH. The effectiveness of B.C.G. vaccination in Africans. *Cent Afr J Med* 1963;**9**:2–8.

24. Simon K. Pulmonary tuberculosis following BCG vaccination. [Tuberkulose Lungenerkrankungen nach BCG-Impfung.] *Arztl Wochensch* 1954;**9**:893–6.

25. Todorovic B, Pavlovic M, Todorovic-Lero Z, Djokic M, Draganic B. BCG vaccination and tuberculosis in soldiers of the YNA [Yugoslav National Army]. *Plucne Bolesti Tuberk* 1974;**26**(Suppl. 2):191–7.

Study participants were only tuberculosis patients

1. Allan WG. A study of BCG at birth in Hong Kong. *Bull Int Union Against Tuberc* 1976;**51**:239–42.

2. Beskow R, Sjögren I. Tuberculosis among Swedish adolescents aged 15–19. Special attention should be given to adolescents with highly increased tuberculin activity. *Lakartidningen* 1983;**80**:1587–9.

3. Chandra P, Harilal KT. Factors affecting efficacy of B.C.G. vaccination. *Indian Pediatr* 1977;**14**:535–8.

4. Cook VJ, Hernández-Garduño E, Kunimoto D, Hershfield ES, Fanning EA, Hoeppner VH, *et al.* The lack of association between bacille Calmette–Guérin vaccination and clustering of Aboriginals with tuberculosis in western Canada. *Can Respir J* 2005;**12**:134–8.

5. Couve T, Ridremont J. Initial tuberculosis in infant and children and BCG vaccination. [Tuberculose initiale chez des enfants du 1er et du 2e age vaccines par le B.C.G.] *Rev Tuberc* 1951;**15**:1093–7.

6. Fuh TC. BCG for pediatric meningeal tuberculosis. *J Formos Med Assoc* 1969;**68**:153–7.

7. Halasz S. Preventive value of BCG vaccination in vaccinated and non-vaccinated siblings living in contaminated environment. [A BCG oltás védöéke fertözö környezetben élö vaccinált és nem védoltott testvéreken.] *Orvosi hetilap* 1969;**110**:1927–8.

8. Heiskala H. Tuberculosis in BCG-vaccinated persons. [BCG-rokotuksen saaneilla esiintyasta tuberkuloosista.] *Duodecim* 1957;**73**:635–44.

9. Krivinka E, Kubik A, Svandova E. Bacillary tuberculosis in BCG vaccinated subjects. *Studia Pneumologica et Phtiseologica* 1974;**34**:153–9.

10. Krzyszkowska A. Incidence of tuberculous encephalomeningitis in children vaccinated and not vaccinated with BCG from 1951 till 1953. [Zachorowania na gruzlice mózgu i opon mózgowo-rdzeniowych wsrod dzieci szczepionych BCG i nie szczepionych w latach 1951–1953.] *Gruzlica* 1956;**24**:977–84.

11. Krzyszkowska A. Morbidity of tuberculosis in BCG vaccinated children. [Zachorowania na gruzlice wsród dzieci szczepionych szczepionka BCG.] *Gruzlica* 1954;**22**:573–8.

12. Kumar B, Rai R, Kaur I, Sahoo B, Muralidhar S, Das Radotra B. Childhood cutaneous tuberculosis: A study over 25 years from northern India. *Int J Dermatol* 2001;**40**:26–32.

13. Mlika RB, Tounsi J, Fenniche S, Hajlaoui K, Marrak H, Mokhtar I. Childhood cutaneous tuberculosis: a 20-year retrospective study in Tunis. *Dermatol Online J* 2006;**12**:11.

14. Raman TSR. Tuberculosis in BCG vaccinated and unvaccinated children. *Med J Armed Forces India* 1997;**53**:99–103.

15. Simon C, Krueger H. Epidemiology of tuberculosis in children from 1968 till 1973 in Schleswig Holstein. [Zur Situation Der Kindlichen Tuberkulose In Schleswig Holstein Von 1968–1973.] *Monatsschr Kinderheil* 1975;**123**:97–9.

16. Simon K, Zeitz J. BCG-vaccination and tuberculosis. *Dtsch Med Wochenschr* 1973;**98**:942–5.

Study included revaccinated participants

1. Akopian IM. Experience in the use of intradermal vaccination and revaccination with BCG in StepanavanskiRegion of Armenian SSR. *Opyt Primeneniia vnutrikozhno* 1968;**46**:23–6.

2. Aksiutina LP. The use of factorial correlation-regression analysis in the evaluation of the efficiency of BCG immunization in children. *Probl Tuberk* 2006;(3):35–7.

3. Andrian A, Rogoz I. Aspects of tuberculosis appearing in youths vaccinated with BCG. *Rev Med Chir Soc Med Nat Iasi* 1971;**75**:613–17.

4. Barbulescu R, Mihailescu P, Calciu B. Evaluation of the BCG vaccinations in the young child currently performed in maternities and medical dispensaries. *Rev Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol* 1981;**30**:241–2.

5. Blecha J, Dobiasova L. Occurrence of tuberculosis in children in the East Bohemian region in the years 1960–1972 (Czech). *Cesko-Slovenska Pediatrie* 1974;**29**:226–9.

6. Bojlen K. Tuberculosis investigations in a school environment. *Ugesk Laeger* 1959;**121**:14–553.

7. Dantas OMS, Ximenes RADA, De Albuquerque MDFP, Da Silva NLCL, Montarroyos UR, De Souza WV, *et al.* A case–control study of protection against tuberculosis by BCG revaccination in Recife, Brazil. *Int J Tuberc Lung Dis* 2006;**10**:536–41.

8. Dantas OMS, Ximenes RAA, De Albuquerque MDFP, Montarroyos UR, De Souza WV, Varejão P, *et al.* Selection bias: Neighbourhood controls and controls selected from those

presenting to a Health Unit in a case control study of efficacy of BCG revaccination. *BMC Med Res Method* 2007;**7**:11.

9. Gasparian AA, Markova EF. Tuberculous meningitis in BCG-vaccinated children. [Tuberkuleznyi meningit u privitykh BTsZh detei.] *Probl Tuberk* 1992;(5–6):35–6.
10. Kochnova IE. Duration and effectiveness of antituberculous vaccination in adults. *Sovetskaya Meditsina* 1968;**31**:42–7.
11. Kolb R. Statistical studies on tuberculosis in a nursing school with special reference to influences of BCG vaccination. [Statistische Untersuchungen über die Tuberkulose-Erkrankungen an einer Schwesternschule mit besonderer Beracksichtigung der Einflasse auf dleselben durch die BCG-Impfung.] *Schweiz Z Tuberk* 1958;**15**:319–36.
12. Kolesnikova VP. Data on tuberculosis infection in children and adolescents vaccinated and revaccinated against tuberculosis. *Vopr Okhr Materin Det* 1962;**7**:15–19.
13. Leon AP. Immunization against tuberculosis with 3 consecutive doses of BCG by parenteral route. *Rev Inst Salub Enferm Tropic* 1960;**20**:259–76.
14. Leon AP. Immunization of humans against tuberculosis with three consecutive intracutaneous doses of B.C.G. *Indian J Chest Dis Allied Sci* 1965;**7**:111–19.
15. Leung CC, Tam CM, Chan SL, Chan-Yeung M, Chan CK, Chang KC. Efficacy of the BCG revaccination programme in a cohort given BCG vaccination at birth in Hong Kong. *Int J Tuberc Lung Dis* 2001;**5**:717–23.
16. Mihailescu P, Coban V, Barbulescu R, Oprea T. Reducing the risk of tuberculosis in children vaccinated with BCG (Rumanian). *Rev Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol* 1976;**25**:197–200.
17. Moisescu V, Sarbu M, Popescu M. Risk factors in development of tuberculosis in students. *Rev Bacteriol Virusol Parazitol Epidemiol Pneumoftiziol* 1978;**27**:7–16.
18. Neimann N, Senault R, Manciaux M, Stehlin S, Cottenet S, Delavenna F. Tuberculosis morbidity of children vaccinated with BCG and back in a tubercular environment. Results of a study accomplished in Meurthe-et-Moselle. [La morbidité tuberculeuse des enfants vaccinés au BCG et remis en milieu tuberculisé. Résultats d'une enquête effectuée en Meurthe-et-Moselle.] *Ann Pediatr* 1967;**14**:112–16.
19. Niyazbekova Zh K, Budnevich RI, Baigunov MA, Shefer LB. Efficacy of additional BCG vaccination in children without postvaccinal marks. *Probl Tuberk* 1987;**65**:12–16.
20. Olinto M. The Brazilian experience in prevention of tuberculosis with a concurrent method of BCG vaccination. *Pediatrics* 1957;**19**:833–43.
21. Pina AN. BCG Vaccine efficacy and impact on tuberculosis screening results in a high risk population. [Vacina BCG eficacìa e impacto nos resultados de rastreìo tuberculinìca em população de alto rìsco.] *Acta Med Port* 1998;**11**:1073–8.
22. Querangal Des Essarts J. The prophylaxis of tuberculosis by vaccination with BCG in seamen's families in the port of Brest. *Rev Tuberc* 1935;**1**:642–76.
23. Rodrigues LC, Pereira SM, Cunha SS, Genser B, Ichihara MY, de Brito SC, *et al.* Effect of BCG revaccination on incidence of tuberculosis in school-aged children in Brazil: the BCG–REVAC cluster-randomised trial. *Lancet* 2005;**366**:1290–5.
24. Scheel O. Tuberculosis among medical students and vaccination with BCG. *Nord Med Tidsskr* 1935;**9**:481–6.

25. Sepulveda RL, Parcha C, Sorensen RU. Case–control study of the efficacy of BCG immunization against pulmonary tuberculosis in young adults in Santiago, Chile. *Tuberc Lung Dis* 1992;**73**:372–7.

26. Shvartser IS, Klepatskaia SB. Tuberculosis prevention with BCG vaccine and methods for increasing its effectiveness. *Probl Tuberk* 1983;(3):10–14.

27. Troisier J. The protection of medical students with BGG. The post-vaccination morbidity in an infected environment. *Rec Trav Inst Natl Hyg* 1946;**2**:705–30.

28. Vaccarezza RF. Results of BCG vaccination in students of the university of buenos aires. *Prensa Med Argent* 1950; **37**:2163–4.

29. Vadasz I, Demeny E. The impact of the BCG vaccination program in Hungary on the tuberculosis problem in children. *Pneumatologie* 1974;**151**:151–9.

30. Vojtek V. BCG vaccination in Czechoslovakia. *Giornale di Malattie Infettive e Parassitarie* 1962;**14**:1–9.

Animal studies

1. Anon. Prevention of bovine tuberculosis and BCG. [Prophylaxie de la tuberculose bovine et B.C.G.] *Rev Pathol Gen Physiol Clin* 1957;**57**:1681–91.

2. Berger K, Puntigam F. Uber Infektionsversuche mit BCG-Keimen bei Groldhamstern. *Z Hyg Infektionn* 1953;**137**:1–12.

3. Boe J. Present-day BCG problems in Norway. *Nord Med* 1948;**37**:5–25.

4. Brunzema D, Kauffmann F. Weitere immunisierungsversuche mit der Kultur BCG bei meerschweinchen, schafen und rindern. *Z Hyg Infektion* 1933;**115**:370–89.

5. Edwards M, Smith D. Absence of protection in the BCG trial in South India. *Bul Int Union Against Tuberc* 1982;**57**:30–1.

6. Ellwood DC. First results of the field use of BCG vaccine to control bovine tuberculosis in Malawi. *Br Vet J* 1975;**131**:186–9.

7. Freerksen E, Meissner J. Verteilungsstudien mit32P-markierten keimen an BCG-vaccinierten meerschweinchen. *Z Ges Exp Med* 1960;**133**:467–80.

8. Gillissen G. Untersuchungen über den mechanismus der allergischen spätreaktion – I. Die bedeutung der reaktionsbereitschaft vom spättyp für eine PCA-reaktion. *Z Me Mikrobiol Immunol* 1966;**152**:148–58.

9. Helmert E. Experimental investigations on the effectiveness of the tuberculosis vaccination. [Experimentelle untersuchungen über die wirksamkeit der tuberkulose-schutzimpfung.] *Zentralbl Bakteriol Parasitenkd Infektionskr Hyg* 1952;**158**:139–99.

10. Noblen A. Studien uber tuberkulose. V. Versuche, durch erstimpfung mit BCG-impfstoff den ablauf einer superinfektionstuberkulose zu beeinflussen. *Beitrage zur Klinik der Tuberkulose und spezifischen Tuberkulose-Forschung* 1930;**73**:525–35.

11. Nohlen A. Studien uber tuberkulose – VI. Versuche, beim rhesusmakaken durch perorale vorbehandlung mit BCG-impfstoff den ablauf einer nachfolgenden spontantuberkulose zu beeinflussen. *Beit Klin Tuberk Spez Tuberk-Forsch* 1930;**74**:532–40.

12. Nohlen A. Studien uber tuberkulose. VII. Versuche, den ablauf der spontantuberkulose des rhesusmakaken durch prophylaktische einspritzung von BCG-impfstoff zu beeinflussen. II. Teil. *Beit Klin Tuberk Spez Tuberk-Forsch* 1930;**75**:525–34.

13. Nohlen A, Sarvan M. Studien uber tuberkulose. VIII. Einflu\ der BCG-impfung auf das Blut und Versuche, eine virulenzsteigerung des BCG durch experimentelle schädigung der versuchstiere (*Macacus rhesus*) zu bewirken. *Beit Klin Tuberk Spez Tuberk-Forsch* 1931;**78**:250–63.

14. Norpoth K, Deppe HD, Wolf M. Der Einflau kombinierter cortison- und endoxan-gaben auf eine BCG-infektion bei meerschweinchen und auf den aus ihr erworbenen impfschutz. *Z Hyg Infektion* 1965;**151**:91–8.

15. Rupilius K. Vergleichende tuberkulose-schutzimpfungsversuche an meerschweinchen – BCG, Schrader-Thymus-Vaccine. *Beit Klin Tuberk Tuberk-Forsch* 1933;**83**:758–63.

16. Spiess H. Uber die wirkung der BCG-impfung im tierversuch. *Beit Klin Tuberk Spez Tuberk-Forsch* 1953;**108**:209–26.

17. Tiedemann HJ, Schnieder EA. BCG-schutzimpfungsversuche an meerschweinchen. *Beit Klin Tuberk Spez Tuberk-Forsch* 1931;**78**:1–12.

18. Tiedemann HJ. Pathogenitatsbestimmung des BCG nach der 20. Corneapassage. *Beit Klin Tuberk spez Tuberk-Forsch* 1930;**75**:355–66.

19. Weill-Halle B, Turpin R. Premiers essais de vaccination antituberculeuse de l'enfant par le bacille Calmette–Guérin (BCG). *Bull Mem Soc Med Hop Paris* 1925;**49**:1589–1601.

20. Weiszfeiler JG. Results of the study of the W115 *M. tuberculosis* vaccine strain and the lyophilized experimental vaccine W 115. *J Hyg Epidemiol Microbiol Immunol* 1975;**19**:492–7.

21. Weleminsky F. Versuche Aber Mutation und Pathogenitat des BCG. *Klin Wochenschr* 1931;**10**:271–2.

Bacillus Calmette–Guérin vaccination studied was orally administered

1. Anon. BCG vaccination in Sweden. *Lancet* 1935;**225**:1512.

2. Abolnick SA. The prevention of tuberculosis by BCG in U.S.S.R. *Ann Inst Pasteur* 1947;**73**:4–8.

3. Alvim A, Do Nascimento EA. Tuberculosis mortality, morbidity and infection in children not vaccinated with BCG in the slums of Praia do Pinto. [Mortalidade, morbidade e infectao tuberculosa em crianças nao vacinadas com o B.C.G.na favela da Praia do Pinto]. *Rev Bras Tuberc Doencas Torac* 1955;**23**:611–34.

4. Aronson JD, Dannenberg AM. Effect of vaccination with BCG on tuberculosis in infancy and in childhood: correlation of reactions to tuberculin tests, roentgenologic diagnosis and mortality. *Am J Dis Child* 1935;**50**:1117–30.

5. Baudouin JA. Vaccination against tuberculosis with the BCG vaccine. *Can J Public Health* 1935;**27**:20–6.

6. Bethoux L, Duny S. Anti-tuberculosis vaccination with high doses of oral BCG in 200 children, of whom 160 were infants of tuberculous parents. *Bull Acad Natl Med* 1959;**143**:211–17.

7. Brolio R. 2 epidemies of tuberculosis in children under 3 years of age, vaccinated with oral BCG vaccine, in a day nursery at São Paulo, Brazil. [Duas epidemias de tuberculose em crianaças menores de tras anos de idade, vacinadas com BCG oral, numa creche do município de São Paulo, Brasil.] *Rev Saude Publica* 1974;**8**:283–96.

8. Bumbacescu N, Arbore A, Beer E, Leizerovici L, Cucu P. Influence of BCG vaccination on the incidence of tuberculosis. [Influenta vaccinarii cu BCG asupra incidentei tuberculozei.] *Rev Med Chir Soc Med Nat Iasi* 1969;**73**:517–22.

9. Comstock GW. The life table method applied to the results of a trial of BGG vaccination in Algiers. *Arch Inst Pasteur d'Algerie* 1958;**36**:3–11.

10. de Carvalho Loures R. Vaccination with BCG in Juiz de Fora, Brazil. *Hospital* 1953;**44**:185–97.

11. Do Nascimento EA, Alvim AC. [Mortality, morbidity and tuberculous infection in infants vaccinated with BCG in 'Favela da Praia do Pinto'.] *Hospital* 1959;**56**:945–64.

12. Galatoire AJ, Luqui OA. Our experience with BCG vaccination in Capilla del Monte. [Nuestras experiencias de la vacuna B.C.G en Capilla del Monte.] *Dia Med* 1950;**22**:1194–6.

13. Gebauerowa M. Vaccination against tuberculosis in school dormitories. [Zagadnienie szczepien przeciwgruzliczych w mlodziezowych internatach i bursach.] *Gruzlica* 1956;**24**:1049–52.

14. Gernez-Rieux C. A long-term follow-up of Galmette's original series of BCG vaccinations. *Ann Inst Pasteur* 1959;**10**:89–96.

15. Gernez-Rieux C, Gervois M, Nistri R. [Remote results of the first digestive administrations of BCG vaccinations in Roubaix from 1925 to 1951. Comparative study of tuberculosis mortality in 18,586 former vaccinated subjects and in 31,297 controls.] *Rev Hyg Med Soc* 1962;**10**:7–19.

16. Gernez-Rieux C, Gervois M, Delbecque H. Future of BCG vaccinated children exposed to tubercular contagion. Comparative study of 319 vaccinated children and 682 nonvaccinated children. *Ann Pediatr* 1967;**14**:120–7.

17. Hopkins JW. BCG vaccination in Montreal. *Am Rev Tuberc* 1941;**43**:581–99.

18. Jonesco-Mihaiesti C. Anti-tuberculosis vaccination by BCG in Romania. *Bull Acad de Med Roum* 1938;**6**:704–35.

19. Kereszturi C. Preliminary report of oral BCG vaccination in New York city, on human beings. *Bull NY Acad Med* 1929;**5**:435–9.

20. MacDowell A, Jr. Results of oral BCG vaccination on 348 families. *Dis Chest* 1949;**16**:590–9.

21. Olinto M. BCG vaccination against tuberculosis. [Vacinanao anti-tuberculosa pelo BCG.] *Rev Bras Tuberc Doencas Torac* 1958;**26**:929–42.

22. Pareja A. Aspects of tuberculosis prevention in countries with unfavorable social and economic factors; value of oral BCG vaccination. *Rev Bras Tuberc Doencas Torac* 1953;**21**:623–32.

23. Sergent E, Catanei A, Ducros-Rougebief H. First results of a campaign of tuberculosis prevention with BCG, carried out since 1935 on more than 41,000 newborn infants, half vaccinated, the other half not vaccinated. *Bull Acad Natl Med* 1954;**138**:97–100.

24. Sergent E, Catanei A, Ducrosrougebief H. Tuberculosis prevention with BCG; controlled campaign carried on in Algiers since 1935. *Arch Inst Pasteur Alg* 1956;**34**:477–85.

25. Sergent ED. Second tabulated account of families in which the elder unvaccinated children having died of tuberculosis, the younger children were vaccinated with BCG. *Arch Inst Pasteur Alg* 1953;**31**:3–56.

26. Sergent ED. Anti-tuberculosis inoculation with BCG. First note on a campaign, started in 1935, with 21,244 children vaccinated at birth and 20,063 not vaccinated. *Arch Inst Pasteur Alg* 1954;**32**:1–8.

27. Sergent ED. Second note on anti-tuberculosis inoculation with BCG, carried out in Algiers since 1935. *Bull Acad Natl Med* 1956;**140**:30–1.

28. Sergent ED. Antituberculosis campaign with BCG in Algiers, followed up since 1935. Fourth note. *Bull Acad Natl Med* 1962;**146**:21–18.

29. Sergent ED. Anti-tuberculosis campaign with BCG in Algiers, followed up since 1935. Third note. *Arch Inst Pasteur Alg* 1960;**38**:2–7.

30. Uemura K. [Statistical notes on the campaign of prevention of tuberculosis by BCG carried on in Algiers.] *Arch Inst Pasteur Alger* 1956;**34**:486–9.

31. Valente CM. Reaction to tuberculin and X-ray findings in children, vaccinated with BCG or not, in the Federal District, Rio de Janeiro. *Hospital* 1947;**32**:171–6.

32. Verna JF, Labra Bettolli JF. Study of tuberculosis cohabitants and BCG vaccine. [Estudio de los convivientes de focos tuberculosos y la vacuna B.C.G.] *Hospital* 1954;**46**:75–84.