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| Порядковый номер ссылки | **Авторы, название публикации и источника, где она опубликована, выходные данные** | **ФИО, название публикации и источника на английском** | **Полный интернет-адрес (URL) цитируемой статьи или ее doi.** |
| 1 | Abubakar I, Pimpin L, Ariti C, Beynon R, Mangtani P, Sterne JA, Fine PE, Smith PG, Lipman M, Elliman D, Watson JM, Drumright LN, Whiting PF, Vynnycky E, Rodrigues LC. Systematic review and meta-analysis of the current evidence on the duration of protection by bacillus Calmette-Guérin vaccination against tuberculosis. *Health Technol Assess (Rockv)*, 2013, Vol. 17, no. 37, pp. 1-372 | - | doi:10.3310/hta17370 |
| 2 | Alm JS, Sanjeevi CB, Miller EN,  Dabadghao P, Lilja G, Pershagen G, Blackwell JM, Scheynius A. Atopy in children in relation to BCG vaccination and genetic polymorphisms at SLC11A1 (formerly NRAMP1) and D2S1471. *Genes Immun*., 2002, Vol.3, no.2, pp.71-77. | - | doi:10.1038/sj.gene.6363834 |
| 3 | Arts RJW, Blok BA, Aaby P,  Joosten LA, de Jong D, van der Meer JW, Benn CS, van Crevel R, Netea MG. Long-term in vitro and in vivo effects of γ-irradiated BCG on innate and adaptive immunity. *J Leukoc Biol*., 2015, Vol.98, no.6, pp.995-1001. | - | doi:10.1189/jlb.4MA0215-059R |
| 4 | Arts RJW, Carvalho A, La Rocca C, Palma C, Rodrigues F, Silvestre R, Kleinnijenhuis J, Lachmandas E, Gonçalves LG, Belinha A, Cunha C, Oosting M, Joosten LAB, Matarese G, van Crevel R, Netea MG. Immunometabolic Pathways in BCG-Induced Trained Immunity. *Cell Rep*., 2016, Vol.17, no.10, pp.2562-2571. | - | doi:10.1016/j.celrep.2016.11.011 |
| 5 | Arts RJW, Moorlag SJCFM, Novakovic B, Li Y, Wang SY, Oosting M, Kumar V, Xavier RJ, Wijmenga C, Joosten LAB, Reusken CBEM, Benn CS, Aaby P, Koopmans MP, Stunnenberg HG, van Crevel R, Netea MG. BCG Vaccination Protects against Experimental Viral Infection in Humans through the Induction of Cytokines Associated with Trained Immunity. *Cell Host Microbe*., 2018, Vol.23, no.1, pp.89-100.e5. | - | doi:10.1016/J.CHOM.2017.12.010 |
| 6 | Arts RJW, Novakovic B, ter Horst R, Carvalho A, Bekkering S, Lachmandas E, Rodrigues F, Silvestre R, Cheng SC, Wang SY, Habibi E, Gonçalves LG, Mesquita I, Cunha C, van Laarhoven A, van de Veerdonk FL, Williams DL, van der Meer JW, Logie C, O'Neill LA, Dinarello CA, Riksen NP, van Crevel R, Clish C, Notebaart RA, Joosten LA, Stunnenberg HG, Xavier RJ, Netea MG. Glutaminolysis and Fumarate Accumulation Integrate Immunometabolic and Epigenetic Programs in Trained Immunity. *Cell Metab*., 2016, Vol.24, no.6, pp.807-819. | - | doi:10.1016/j.cmet.2016.10.008 |
| 7 | Auguste P, Tsertsvadze A, Pink J, Court R, McCarthy N, Sutcliffe P, Clarke A. Comparing interferon-gamma release assays with tuberculin skin test for identifying latent tuberculosis infection that progresses to active tuberculosis: systematic review and meta-analysis. *BMC Infect Dis*., 2017, Vol.17, no.1, pp.200. | - | doi:10.1186/s12879-017-2301-4 |
| 8 | Barlan IB, Tükenmez F, Bahçeciler NN, Başaran MM. The impact of in vivo Calmette-Guérin Bacillus administration on in vitro IgE secretion in atopic children. *J Asthma*., 2002, Vol.39, no.3, pp.239-246. | - | DOI: 10.1081/jas-120002473 |
| 9 | Bekkering S, Arts RJW, Novakovic B, et al. Metabolic Induction of Trained Immunity through the Mevalonate Pathway. *Cell*, 2018, Vol.172, no.1-2, pp.135-146.e9. | - | doi:10.1016/j.cell.2017.11.025 |
| 10 | Blok BA, Arts RJW, van Crevel R, Benn CS, Netea MG. Trained innate immunity as underlying mechanism for the long-term, nonspecific effects of vaccines. *J Leukoc Biol*., 2015, Vol.98, no.3, pp.347-356. | - | doi:10.1189/jlb.5RI0315-096R |
| 11 | Buffen K, Oosting M, Quintin J, Ng A, Kleinnijenhuis J, Kumar V, van de Vosse E, Wijmenga C, van Crevel R, Oosterwijk E, Grotenhuis AJ, Vermeulen SH, Kiemeney LA, van de Veerdonk FL, Chamilos G, Xavier R, van der Meer JW, Netea MG, Joosten LA. Autophagy controls BCG-induced trained immunity and the response to intravesical BCG therapy for bladder cancer. Deretic V, ed. *PLoS Pathog*., 2014, Vol.10, no.10, pp.e1004485. | - | doi:10.1371/journal.ppat.1004485 |
| 12 | Byrne AL, Marais BJ, Mitnick CD, Garden FL, Lecca L, Contreras C, Yauri Y, Garcia F, Marks GB. Asthma and atopy prevalence are not reduced among former tuberculosis patients compared with controls in Lima, Peru. *BMC Pulm Med*., 2019, Vol.19, no.1, pp.40. | - | doi:10.1186/s12890-019-0804-z |
| 13 | Cavallo GP, Elia M, Giordano D, Baldi C, Cammarota R. Decrease of specific and total IgE levels in allergic patients after BCG vaccination: preliminary report. *Arch Otolaryngol Head Neck Surg*., 2002, Vol.128, no.9, pp.1058-1060. | - | doi:10.1001/archotol.128.9.1058 |
| 14 | Cheng S-C, Quintin J, Cramer RA, Shepardson KM, Saeed S, Kumar V, Giamarellos-Bourboulis EJ, Martens JH, Rao A, Aghajanirefah A, Manjeri GR, Li Y, Ifrim DC, Arts RJ, van der Veer BM, Deen PM, Logie C, O'Neill LA, Willems P, van de Veerdonk FL, van der Meer JW, Ng A, Joosten LA, Wijmenga C, Stunnenberg HG, Xavier RJ, Netea MG. mTOR- and HIF-1 -mediated aerobic glycolysis as metabolic basis for trained immunity. *Science*, 2014, Vol.345, no.6204, pp.1250684-1250684. | - | doi:10.1126/science.1250684 |
| 15 | Coley WB. The treatment of malignant tumors by repeated inoculations of erysipelas. With a report of ten original cases. 1893. *Clin Orthop Relat Res*., 1991, Vol.262, pp.3-11. | - | <http://ovidsp.dc2.ovid.com/sp-4.02.1a/ovidweb.cgi?T=JS&PAGE=fulltext&D=ovft&AN=00003086-199101000-00002&NEWS=N&CSC=Y&CHANNEL=PubMed> |
| 16 | Deng Y, Li W, Luo Y, Wang LJ, Xie XH, Luo J, Luo ZX, Zhao XD, Fu Z, Liu EM. Inhibition of IFN-γ promotes anti-asthma effect of Mycobacterium bovis Bacillus Calmette-Guerin neonatal vaccination: A murine asthma model. *Vaccine*, 2014, Vol.32, no.18, pp.2070-2078. | - | doi:10.1016/j.vaccine.2014.02.007 |
| 17 | Domínguez-Andrés J, Joosten LA, Netea MG. Induction of innate immune memory: the role of cellular metabolism. *Curr Opin Immunol*., 2019, Vol.56, pp.10-16. | - | doi:10.1016/J.COI.2018.09.001 |
| 18 | Eifan AO, Akkoc T, Ozdemir C, Bahceciler NN, Barlan IB. No association between tuberculin skin test and atopy in a bacillus Calmette-Guérin vaccinated birth cohort. *Pediatr Allergy Immunol*., 2009, Vol.20, no.6, pp.545-550. | - | doi:10.1111/j.1399-3038.2008.00846.x |
| 19 | El-Zein M, Conus F, Benedetti A, Menzies D, Parent M-E, Rousseau M-C. Association Between Bacillus Calmette-Guérin Vaccination and Childhood Asthma in the Quebec Birth Cohort on Immunity and Health. *Am J Epidemiol*., 2017, Vol.186, no.3, pp. 344-355. | - | doi:10.1093/aje/kwx088 |
| 20 | Freyne B, Donath S, Germano S, Gardiner K, Casalaz D, Robins-Browne RM, Amenyogbe N, MessinaNL, Netea MG, Flanagan KL, Kollmann T, Curtis N. Neonatal BCG Vaccination Influences Cytokine Responses to Toll-like Receptor Ligands and Heterologous Antigens. *J Infect Dis*., 2018, Vol.217, no.11, pp.1798-1808. | - | doi:10.1093/infdis/jiy069 |
| 21 | Gruenbacher G, Thurnher M. Mevalonate Metabolism in Cancer Stemness and Trained Immunity. *Front Oncol*., 2018, Vol. 8, pp.394. | - | doi:10.3389/fonc.2018.00394 |
| 22 | Guerra-Maupome M, Vang DX, McGill JL. Aerosol vaccination with Bacille Calmette-Guerin induces a trained innate immune phenotype in calves. *PLoS One*, 2019, Vol.14, no.2, pp.e0212751. | - | doi:10.1371/journal.pone.0212751 |
| 23 | Higgins JPT, Soares-Weiser K, López-López JA, Kakourou A, Chaplin K, Christensen H, Martin NK, Sterne JA, Reingold AL. Association of BCG, DTP, and measles containing vaccines with childhood mortality: systematic review. *BMJ*, 2016, Vol.355, pp.i5170. | - | doi:10.1136/bmj.i5170 |
| 24 | Hirve S, Bavdekar A, Juvekar S, Benn CS, Nielsen J, Aaby P. Non-specific and sex-differential effects of vaccinations on child survival in rural western India. *Vaccine*, 2012, Vol.30, no.50, pp.7300-7308. | - | doi:10.1016/J.VACCINE.2012.09.035 |
| 25 | Jensen KJ, Larsen N, Biering-Sørensen S, Andersen A, Eriksen HB, Monteiro I, Hougaard D, Aaby P, Netea MG, Flanagan KL, Benn CS. Heterologous immunological effects of early BCG vaccination in low-birth-weight infants in Guinea-Bissau: a randomized-controlled trial. *J Infect Dis*., 2015, Vol.211, no.6, pp.956-967. | - | doi:10.1093/infdis/jiu508 |
| 26 | Kaufmann E, Sanz J, Dunn JL,  Khan N, Mendonça LE, Pacis A, Tzelepis F, Pernet E, Dumaine A, Grenier JC, Mailhot-Léonard F, Ahmed E, Belle J, Besla R, Mazer B, King IL, Nijnik A, Robbins CS, Barreiro LB, Divangahi M. BCG Educates Hematopoietic Stem Cells to Generate Protective Innate Immunity against Tuberculosis. *Cell*, 2018, Vol.172, no. 1-2, pp.176-190.e19. | - | doi:10.1016/j.cell.2017.12.031 |
| 27 | Kleinnijenhuis J, Quintin J, Preijers F, Joosten LA, Jacobs C, Xavier RJ, van der Meer JW, van Crevel R, Netea MG. BCG-induced trained immunity in NK cells: Role for non-specific protection to infection. *Clin Immunol*., 2014, Vol.155, no.2, pp.213-219. | - | doi:10.1016/j.clim.2014.10.005 |
| 28 | Kleinnijenhuis J, Quintin J, Preijers F, Joosten LA, Ifrim DC, Saeed S, Jacobs C, van Loenhout J, de Jong D, Stunnenberg HG, Xavier RJ, van der Meer JW, van Crevel R, Netea MG. Bacille Calmette-Guerin induces NOD2-dependent nonspecific protection from reinfection via epigenetic reprogramming of monocytes. *Proc Natl Acad Sci U S A*, 2012, Vol.109, no.43, pp.17537-17542. | - | doi:10.1073/pnas.1202870109 |
| 29 | Kleinnijenhuis J, Quintin J, Preijers F, Benn CS, Joosten LA, Jacobs C, van Loenhout J, Xavier RJ, Aaby P, van der Meer JW, van Crevel R, Netea MG. Long-lasting effects of BCG vaccination on both heterologous Th1/Th17 responses and innate trained immunity. *J Innate Immun*., 2014, Vol.6, no.2, pp.152-158. | - | doi:10.1159/000355628 |
| 30 | Koeken VACM, Verrall AJ, Netea MG, Hill PC, van Crevel R. Trained innate immunity and resistance to Mycobacterium tuberculosis infection. *Clin Microbiol Infect*., 2019,  pii: S1198-743X(19)30081-3 | - | doi:10.1016/J.CMI.2019.02.015 |
| 31 | Kawai K, Miyazaki J, Joraku A, Nishiyama H, Akaza H. Bacillus Calmette-Guerin (BCG) immunotherapy for bladder cancer: Current understanding and perspectives on engineered BCG vaccine. *Cancer Sci*., 2013, Vol.104, no.1, pp.22-27. | - | doi:10.1111/cas.12075 |
| 32 | Ke X, Huang J, Chen Q, Hong S, Zhu D. Protective effects of combined Mycobacterium bovis BCG and interleukin-12 vaccination on airway inflammation in a murine model of allergic asthma. *Clin Invest Med*., 2010, Vol.33, no.3, pp.E196-202. | - | http://www.ncbi.nlm.nih.gov/pubmed/20519099. Accessed September 12, 2019. |
| 33 | Levy O, Wynn JL. A Prime Time for Trained Immunity: Innate Immune Memory in Newborns and Infants. *Neonatology*, 2014, Vol.105, no.2, pp.136-141. | - | doi:10.1159/000356035 |
| 34 | Mangtani P, Nguipdop-Djomo P, Keogh RH, Trinder L, Smith PG, Fine PE, Sterne J, Abubakar I, Vynnycky E, Watson J, Elliman D, Lipman M, Rodrigues LC. Observational study to estimate the changes in the effectiveness of bacillus Calmette-Guérin (BCG) vaccination with time since vaccination for preventing tuberculosis in the UK. *Health Technol Assess*, 2017, Vol.21, no.39, pp.1-54. | - | doi:10.3310/hta21390 |
| 35 | Mitroulis I, Ruppova K, Wang B, Chen LS, Grzybek M, Grinenko T, Eugster A, Troullinaki M, Palladini A, Kourtzelis I, Chatzigeorgiou A, Schlitzer A, Beyer M, Joosten LAB, Isermann B, Lesche M, Petzold A, Simons K, Henry I, Dahl A, Schultze JL, Wielockx B, Zamboni N, Mirtschink P, Coskun Ü, Hajishengallis G, Netea MG, Chavakis T. Modulation of Myelopoiesis Progenitors Is an Integral Component of Trained Immunity. *Cell*, 2018, Vol.172, no.1-2, pp.147-161.e12. | - | doi:10.1016/j.cell.2017.11.034 |
| 36 | Moliva JI, Turner J, Torrelles JB. Immune Responses to Bacillus Calmette–Guérin Vaccination: Why Do They Fail to Protect against Mycobacterium tuberculosis? *Front Immunol*., 2017, Vol.8, pp.407. | - | doi:10.3389/fimmu.2017.00407 |
| 37 | Moulton LH, Rahmathullah L, Halsey NA, Thulasiraj RD, Katz J, Tielsch JM. Evaluation of non-specific effects of infant immunizations on early infant mortality in a southern Indian population. *Trop Med Int Heal*., 2005, Vol.10, no.10, pp.947-955. | - | doi:10.1111/j.1365-3156.2005.01434.x |
| 38 | Nemes E, Geldenhuys H, Rozot V, Rutkowski KT, Ratangee F, Bilek N, Mabwe S, Makhethe L, Erasmus M, Toefy A, Mulenga H, Hanekom WA, Self SG, Bekker LG, Ryall R, Gurunathan S, DiazGranados CA, Andersen P, Kromann I, Evans T, Ellis RD, Landry B, Hokey DA, Hopkins R, Ginsberg AM, Scriba TJ, Hatherill M; C-040-404 Study Team. Prevention of M. tuberculosis Infection with H4:IC31 Vaccine or BCG Revaccination. *N Engl J Med*., 2018, Vol.379, no.2, pp.138-149. | - | doi:10.1056/NEJMoa1714021 |
| 39 | Nicolle D, Fremond C, Pichon X, Bouchot A, Maillet I, Ryffel B, Quesniaux VJ. Long-term control of Mycobacterium bovis BCG infection in the absence of toll-like receptors (TLRs): Investigation of TLR2-, TLR6-, or TLR2-TLR4-deficient mice. *Infect Immun*., 2004, Vol.72, no.12, pp.6994-7004. | - | doi:10.1128/IAI.72.12.6994-7004.2004 |
| 40 | Omenaas E, Jentoft HF, Vollmer WM, Buist AS, Gulsvik A. Absence of relationship between tuberculin reactivity and atopy in BCG vaccinated young adults. *Thorax*., 2000, Vol.55, no.6, pp.454-458. | - | doi:10.1136/thorax.55.6.454 |
| 41 | Ota MOC, Vekemans J, Schlegel-Haueter SE, Fielding K, Sanneh M, Kidd M, Newport MJ, Aaby P, Whittle H, Lambert PH, McAdam KP, Siegrist CA, Marchant A. Influence of *Mycobacterium* *bovis* Bacillus Calmette-Guérin on Antibody and Cytokine Responses to Human Neonatal Vaccination. *J Immunol*., 2002, Vol.168, no.2, pp.919-925. | - | doi:10.4049/jimmunol.168.2.919 |
| 42 | Pieraerts C, Martin V, Jichlinski P, Nardelli-Haefliger D, Derre L. Detection of functional antigen-specific T cells from urine of non-muscle invasive bladder cancer patients. *Oncoimmunology*, 2012, Vol.1, no.5, pp.694-698. | - | doi:10.4161/onci.20526 |
| 43 | Ritz N, Mui M, Balloch A, Curtis N. Non-specific effect of Bacille Calmette-Guérin vaccine on the immune response to routine immunisations. *Vaccine*, 2013, Vol.31, no.30, pp.3098-3103. | - | doi:10.1016/j.vaccine.2013.03.059 |
| 44 | Rodrigues A, Fischer TK, Valentiner-Branth P, Nielsen J, Steinsland H, Perch M, Garly ML, Mølbak K, Aaby P. Community cohort study of rotavirus and other enteropathogens: Are routine vaccinations associated with sex-differential incidence rates? *Vaccine*, 2006, Vol.24, no.22, pp.4737-4746. | - | doi:10.1016/J.VACCINE.2006.03.033 |
| 45 | Rousseau M-C, Parent M-E, St-Pierre Y. Potential health effects from non-specific stimulation of the immune function in early age: The example of BCG vaccination. *Pediatr Allergy Immunol*., 2008, Vol.19, no.5, pp.438-448. | - | doi:10.1111/j.1399-3038.2007.00669.x |
| 46 | Sciences WC-TAJ of the M, 1894 undefined. TREATMENT OF INOPERABLE MALIGNANT TUMORS WITH THE TOXINES OF ERYSIPELAS AND THE BACILLUS PRODIGIOSUS. 1. Accessed September 18, 2019. | - | *search.proquest.com*. <http://search.proquest.com/openview/>  2b4fb5bca8b11309314814797b826375/1?pq-origsite=gscholar&cbl=41361. |
| 47 | Shirakawa T, Enomoto T, Shimazu S, Hopkin JM. The Inverse Association Between Tuberculin Responses and Atopic Disorder. *Science,* 1997, Vol.275, no.5296, pp.77-79. | - | doi:10.1126/science.275.5296.77 |
| 48 | Smith SG, Kleinnijenhuis J, Netea MG, Dockrell HM. Whole Blood Profiling of Bacillus Calmette-Guérin-Induced Trained Innate Immunity in Infants Identifies Epidermal Growth Factor, IL-6, Platelet-Derived Growth Factor-AB/BB, and Natural Killer Cell Activation. *Front Immunol*., 2017, Vol.8, pp.644. | - | doi:10.3389/fimmu.2017.00644 |
| 49 | Strachan DP. Family size, infection and atopy: the first decade of the &quot;hygiene hypothesis&quot;. *Thorax*., 2000, Vol.55 Suppl 1(Suppl 1), pp.S2-10. | - | doi:10.1136/thorax.55.suppl\_1.s2 |
| 50 | Sylvester RJ, van der MEIJDEN APM, Lamm DL. Intravesical bacillus Calmette-Guerin reduces the risk of progression in patients with superficial bladder cancer: a meta-analysis of the published results of randomized clinical trials. *J Urol*., 2002, Vol.168, no.5, pp.1964-1970. | - | doi:10.1097/01.ju.0000034450.80198.1c |
| 51 | Trunz BB, Fine P, Dye C. Effect of BCG vaccination on childhood tuberculous meningitis and miliary tuberculosis worldwide: a meta-analysis and assessment of cost-effectiveness. *Lancet*, 2006, Vol.367, no.9517, pp.1173-1180. | - | doi:10.1016/S0140-6736(06)68507-3 |
| 52 | Verma D, Parasa VR, Raffetseder J,  Martis M, Mehta RB, Netea M, Lerm M. Anti-mycobacterial activity correlates with altered DNA methylation pattern in immune cells from BCG-vaccinated subjects. *Sci Rep*., 2017, Vol.7, no.1, pp.12305. | - | doi:10.1038/s41598-017-12110-2 |
| 53 | Walk J, de Bree LCJ, Graumans W, Stoter R, van Gemert GJ, van de Vegte-Bolmer M, Teelen K, Hermsen CC, Arts RJW, Behet MC, Keramati F, Moorlag SJCFM, Yang ASP, van Crevel R, Aaby P, de Mast Q, van der Ven AJAM, Stabell Benn C, Netea MG, Sauerwein RW. Outcomes of controlled human malaria infection after BCG vaccination. *Nat Commun*., 2019, Vol.10, no.1, pp.874. | - | doi:10.1038/s41467-019-08659-3 |
| 54 | World Health Organization. BCG vaccine: WHO position paper, February 2018 – Recommendations. *Vaccine*, 2018, Vol.36, no.24, pp.3408-3410. | - | doi:10.1016/j.vaccine.2018.03.009 |
| 55 | Yoneyama H, Suzuki M, Fujii K, Odajima Y. [The effect of DPT and BCG vaccinations on atopic disorders]. *Arerugi*., 2000, Vol.49, no.7, pp.585-592. | - | http://www.ncbi.nlm.nih.gov/pubmed/10944825. |