

CURRICULUM VITAE.

PERSONAL HISTORY

Name: Thorolfur Gudnason / Þórólfur Guðnason
Country: Iceland

EDUCATION

7/1969-7/1973 B.A. Laugarvatn College, Iceland
7/1974-7/1977 Aarhus University, Medical School
Denmark.
7/1977-7/1981 M.D. University of Iceland
Medical School
6/1984 FMGEMS Examination passed
6/1987 FLEX Examination passed in Connecticut U.S.A.
8/1988 Written part (no.1) of the Pediatric Boards (U.S.A) passed.
6/1989 Written part (no.2) of the Pediatric Boards (U.S.A) passed.
6/1990 Pediatric infectious Diseases, University of Minnesota, USA
11/2013 PhD in Public Health, University of Iceland

PROFESSIONAL TRAINING

7/1981-7/1982 Rotating internship (3 months in each of internal medicine, pediatrics,
general surgery and gynecology) at Akureyri Hospital of Iceland
7/1982-9/1982 Family physician, Akureyri Iceland.
9/1982-3/1983 Residency in Pediatrics at the Icelandic National University Hospital,
Reykjavik Iceland
3/1983-6/1983 Family physician, Thingeyri Iceland
6/1983-12/1983 Pediatric Resident Icelandic National Hospital, Reykjavik Iceland.
12/1983-2/1984 Family physician Vestmannaeyjar, Iceland.
2/1984-6/1985 Senior Pediatric Resident, Icelandic National Hospital, Reykjavik
Iceland.
7/1985-7/1986 Pediatric Internship, UCONN Health Center Farmington, Connecticut
USA
7/1986-7/1988 2nd and 3rd year Pediatric Resident UCONN Health Center,
Farmington, Connecticut USA

7/1988-7/1990	Fellowship in Pediatric Infectious Diseases at the University of Minnesota USA.
7/1990-1/2015	General Pediatrician and consultant in Pediatric Infectious Diseases at the National University Hospital in Iceland.
7/1990-2015	Private Pediatric practice in Reykjavik Iceland.
4/2002-2015	Senior officer (yfirlæknir) at the Centre for Disease Control at the Directorate of Health in Iceland and Coordinator of the Icelandic Childhood Immunization Program.
2007-2013	PhD in Public Health at the University of Iceland
2015-	Chief Epidemiologist in Iceland

PROFESSIONAL SOCIETIES

1981-present	The Icelandic Medical Society
1986-present	Junior Fellow American Academy of Pediatrics (USA)
1989-present	Correspondence Fellow, Infectious Disease Society of America.
1990-present	International Society for the Immunocompromised Host.
1990-present	The Icelandic Society of Pediatrics.
1991-present	European Society of Clinical Microbiology and Infectious Diseases.
1992-present	Scandinavian Society of Antimicrobials and Chemotherapy

LICENSURE

06-10/1983-Present	Iceland, licenced physician
10-09/1987-Present	State of Connecticut USA licenced physician.
09-29/1988-Present	State of Minnesota USA, licenced physician.
06-02/1989-Present	Diplomate of The American Board of Pediatrics.
03-19/1990-Present	Licenced Pediatrician in Iceland
07-01/1990-Present	Licence in Pediatric Infectious Diseases, USA
12-21/1990-Present	Licence in Pediatric Infectious Diseases, Iceland.
04/2005-Present	Associate Professor at the University of Iceland
11/2013-	PhD in Public Health, University of Iceland

REVIEWER

The Icelandic Medical Journal (Læknablaðið)
 Scandinavian Journal of Obstetrics and Gynecology.

Clinical Microbiology and Infection
Eurosurveillance
Pediatrics
Epidemiology and Infection
Scandinavian Journal of Infectious Diseases

ACADEMIC EXPERIENCE.

7/1988-6/1990	Formal and informal teaching at the Pediatric Department at the University of Minnesota,
08/1990-9/1995	Lecturer in Clinical Pharmacology at the University of Iceland.
08/1990-present	Formal and informal teaching in Pediatrics and Pediatric Infectious Diseases at the National University Hospital of Iceland.
9/1992-present	Adjunct position in General Pediatrics at the University of Iceland
1995-present	Teaching in Pediatrics at the Icelandic School of Nursing and Physical Therapy
1990-present	Several talks on variety of issues within Pediatrics and Infectious Diseases at conferences in Iceland and abroad
11/1993	Talk on Immunity in neonates at the annual Scandinavian Society of Infectious Diseases meeting in Copenhagen
7/1999	Presentation for the Federal Drug Administration (FDA) in the USA, Silver Spring, July 25, 1996: "The Epidemiology of Penicillin Resistant Pneumococci in Iceland and its relationship with Antibiotic use - hope for the future."
5/2000	Talk on Neonatal Immunizations at the Scandinavian Neonatal Conference in Reykjavik
6/2001	Opponent of MSc thesis at the University of Iceland of Helga Erlendsdottir: "The Effect of beta-lactam antibiotics on selected pneumococcal serotypes in vitro and experimental mouse model (Áhrif beta-laktam sýklalyfja á nokkrar hjúperðir pneumókokka in vitro og í tilraunasýkingum í músum)"
1/2003	Talk on Project Management at a conference on project management in Reykjavik
2003-2003	Various talks in Iceland and abroad on Pediatric infectious Diseases Member of Haavard M Jakobsen's PhD committee at the University of Iceland: "Immunization with pneumococcal conjugate vaccines-immune responses and protection against pneumococcal infections in mice".
11/2004	Opponent of MSc thesis at the University of Iceland of Brenda Ciervo Adarna: "Immune Responses to Novel Pneumococcal conjugates and Effects of Novel Adjuvants".
04/2005-	Associate professor (dósent) at the University of Iceland

2006-2007	Chairman of Vilhjalmur Ari Arason's PhD committee at the University of Iceland: "Use of Antimicrobials and Carriage of Penicillin-resistant Pneumococci in Children <i>Repeated cross-sectional studies covering 10 years</i>"
2007-2008	Member of the PhD committee of Sigurveig Sigurdardottir at the University of Iceland: "<i>Pneumococcal conjugate vaccines</i> Safety, immunogenicity, immunological memory and effect on nasopharyngeal colonization and otitis media".
13. 5.2011	Opponent of MSc thesis at the University of Iceland of Pálína Fanney Guðmundsdóttir "Multiplex PCR in the diagnostics of pneumococci and pneumococcal serotypes in the nasopharynx and middle ear fluid samples of children (Multiplex PCR til greiningar á pneumókokkum og tilvist fleiri en einnar hjúperðar í nefkoki og eyrum barna)".
21.5.2013	Opponent of MSc thesis at the University of Iceland of Hreinn Benónísson "Polysaccharide-induced hyporesponsiveness".
22.11.2013	PhD thesis in public Health in Public Health ("Infectious illnesses and pneumococcal carriage among preschool children at Icelandic day care centers - Epidemiology, risk factors and intervention") defended at the University of Iceland.
27.6.2014	Opponent of Doctoral Thesis at the University of Iceland of Stefania P Bjarnason "Myndun ónæmisminnis í nýburamúsum - Bólusetning með próteintengdri pneumókokkafjölsykru og ónæmisglæðum eftir mismunandi bólusetningarleiðum".
2015-	Editorial Board of Eurosurveillance
2015-	Editorial Board of Shipsan Joint Action Newsletter

ADMINISTRATIVE EXPERIENCE

1983-1984	Board of the Society of Junior Icelandic Physicians
1985-1986	Board of the Society of Icelandic physicians in North America.
1988-1990	Director of the Center for HIV infected children at the University Hospital of Minnesota in USA.
6/1991-1999	Infection Control Committee at the National University Hospital of Iceland
1990-present	Advisor for the Icelandic Directorate of Health
10/1993-1995	Secretary of the Icelandic Pediatric Society
02/1995-2001	Board of the Reykjavik Medical Society
05/1995-1998	The Medical Board of the National University Hospital of Iceland
1999-2001	Chairman of the Infection Control Committee at the National University Hospital of Iceland
1990-2002	Various committees at the Pediatric Department of the National University Hospital of Iceland

2001-2002	Chairman of a committee planning the infrastructure of a new childrens hospital at the National University Hospital
2002-2015	Head of National Vaccination Program Directorate of Health, section of Infectious Disease Control, Iceland
2002-2003	Coordinator of Meningococcal C vaccination campaign in Iceland
2005-2009	Member of the official Icelandic health task force on “Preparedness Planning of Pandemic Influenza”
2009-2015	Risk manager of the official health task force on reponse to pandemic influenza (H1N1; swine influenza)
2010-2015	Risk manager/coordinator of the official Icelandic health task force on response to volcano eruption in Iceland.
2015-	Chief Epidemiologist at the Directorate of Health in Iceland

GRANTS RECEIVED

- 1) National University Hospital: 120.000 kr. Osteomyelitis in Icelandic Children 1982-1994.
- 2) National University Hospital: 150.000 kr. High dose amoxicillin treatment of otitis media caused by penicillin resistant pneumococci.
- 3) National University Hospital: 100.000 kr. Borrelia in puffins in the Westman islands. Frá
- 4) National University Hospital: 75.000. Helicobacter pylori infection in Icelandic children.
- 5) 2000: European Union: 36.000.000 kr. European Resistance Intervention Study: ways to reduce resistant bacteria at day care centers (EURIS) (“Fifth framework”).
- 6) 2001: The Icelandic Research Council: 1.000.000 kr. European Resistance Intervention Study: ways to reduce resistant bacteria at day care centers.
- 7) 2002: The Icelandic Research Council: 1.000.000 kr. European Resistance Intervention Study: ways to reduce resistant bacteria at day care centers.
- 8) 2003: European Union: 145.000 Euro. European Resistance Intervention Study: ways to reduce resistant bacteria at day care centers (PREVIS) (“Sixth framework”).
- 9) 2013: Verðlaunasjóður Óskars Þórðarsonar.

PROJECTS WITH MEDICAL STUDENTS

- 1) Research conference of Medical Students March 21, 2003. Hepatitis among immigrants in Iceland 2000-2003. Gudrun Jonsdottir, Sigurdur Olafsson, Haraldur Briem, Thorsteinn Blondal, **Thorolfur Gudnason**, Gestur Palsson.
- 2) Research conference of Medical Students March 21, 2003. Epidemiology of varicella in Iceland and it’s complications. Hildur Thorarinsdottir, **Thorolfur Gudnason**, Arthur Löve, Asgeir Haraldsson.
- 3) Research projects with fourth year medical students: 2003-2004: Epidemiology of adenoviral infections in Iceland

- 4) Research projects with fourth year medical students: 2003-2004: Epidemiology and clinical characteristics of mastoiditis in Iceland
- 5) Research projects with fourth year medical students 2005-2006. Blood-borne infections in children
- 6) Research projects with fourth year medical students 2006-2007. Osteomyelitis in Icelandic children
- 7) Research projects with fourth year medical students 2007-2008. Immunization and vaccination status of immigrant children in Iceland
- 8) Research projects with fourth year medical students 2007-2008. Description and characteristics of mumps epidemic in Iceland 2005-2006.
- 9) Research projects with fourth year medical students 2009-2010. Attitude of parents in Iceland towards childhood vaccinations
- 10) Research projects with fourth year medical students 2009-2012. Epidemiology of pneumococci at day care centers.
- 11) Research projects with fourth year medical students 2014 Urinary tract infections in Icelandic children
- 12) Research projects with fourth year medical students 2014 Invasive streptococcal infection in Iceland
- 13) Research projects with fourth year medical students 2014 Antibiotic prescription habits of Icelandic medical doctors
- 14) Research projects with fourth year medical students 2014 Attitudes of the general public and health care personell towards vaccinations.

ABSTRACTS / PRESENTATIONS/POSTERS.

- 1) **Gudnason T.** et al. Herpesvirus-6 (HHV-6) Infections in Renal Transplant Patients. Abstract # 628 at ICAAC in September 1990.
- 2) Karl G Kristinsson, Ari Axelsson, **Thorolfur Gudnason.** The prevalence of penicillin resistant pneumococci in healthy children in Iceland. The 10th symposium in Internal Medicine in Iceland, Egilstöðum 12 of June 1992. Icelandic Medical Journal, Suppl 21:60,1992
- 3) Robert Kaatee, **Thorolfur Gudnason,** Ásmundur Brekkan. Utility of radiographs in children with clinical infection of the paranasal sinuses. The 10th symposium in Internal Medicine in Iceland, Egilstöðum 12 of June 1992.
- 4) Kristinsson KG, **Guðnason Þ,** Hjálmarsdóttir MÁ, Thomasz A. Successful invasion of a Spanish multi-resistant pneumococci in Iceland. 1992. Medical Faculty Research Conference at the University of Iceland. Icel. Med J 1992;78,suppl.22:40.
- 5) Kristinsson KG, Hjálmarsdóttir MÁ, Axelsson A, **Guðnason Þ.** Invasion and spread of penicillin resistant pneumococci in Iceland. 33rd ICCAC, New Orleans october 1993, abstract 1180.

- 6) Kristinsson K., **Guðnason Þ**, Júlíusson P, Axelsson A. Hospital Treatment of of children infected with multiresistant pneumococci. 6th. International Congress of Infectious Diseases, Prague,1994, abstract PCS42, p21.
- 7) Kristinsson K., **Guðnason Þ**, Júlíusson P, Axelsson A. Sjúkrahúsmeðferð sýkinga af völdum fjölonæmra pneumókokka hjá börnum. (Hospital Treatment of of children infected with multiresistant pneumococci). The 11th symposium in Internal Medicine in Iceland, Kirkjubæjarklaustur 1994. Icelandic Med J 1994;suppl 25:70.
- 8) G.Vidarsson, T. Jonsdottir, S.T.Sigurdardottir, **T.Gudnason**, S.Kjartansson, K.G.Kristinsson, S.Jonsson, H.Valdimarsson, R.Schneerson and I Jonsdottir. Comparison of a Pneumococcal Polysaccharide Vaccine and a Protein Conjugate Polysaccharide Vaccine in Adults and Infants. SSI XXVth Annual Meeting1994 (Reykjavik).
- 9) G. Vidarsson, S Sigurdardottir, **T. Gudnason**, S. Kjartansson, KG Kristinsson, S Jonsson, H Valdimarsson, R Schneerson, I Jonsdottir. Antibody responses of infants and adults immunised with pneumococcal polysaccharide of serotype 6B conjugated to Tetanus toxoid (Pn6B-TT). Scandinavian conference of infectious diseases in Reykjavík, September 1994.
- 10) S Sigurdardottir, G. Vidarsson,**T. Gudnason**, S. Kjartansson, KG Kristinsson, S Jonsson, H Valdimarsson, R Schneerson, I Jonsdottir. Antibody responses of infants and adults immunised with pneumococcal polysaccharide of serotype 6B conjugated to Tetanus toxoid (Pn6B-TT). EGID Proceedings 1994 (in press).
- 11) **T. Gudnason**, G. Vidarsson, S Sigurdardottir, S. Kjartansson, KG Kristinsson, S Jonsson, H Valdimarsson, R Schneerson, I Jonsdottir.Antibody responses of infants immunised with pneumococcal polysaccharide of serotype 6B conjugated to Tetanus toxoid (Pn6B-TT). ICAAC, Orlando, October, 1994, abstract G49, p26.
- 12) Sigurdardottir S., **Gudnason T**, Jonsdottir I, Vikingsdottir T. Immunologic studies of children with frequent otitis media and sinusitis. Congress in Pediatrics, Reykjavík. 19.nóvember, 1994.
- 13) G. Vidarsson, S Sigurdardottir, **T. Gudnason**, S. Kjartansson, KG Kristinsson, S Jonsson, H Valdimarsson, R Schneerson, I Jonsdottir. Comparison of a pneumococcal polysaccharide vaccine and a protein conjugate polysaccharide vaccine in adults and infants Scand J Immunol, 1994b (abstract in press).
- 14) G. Vidarsson, S Sigurdardottir, **T. Gudnason**, S. Kjartansson, KG Kristinsson, S Jonsson, H Valdimarsson, R Schneerson, I Jonsdottir. Antibody responses of infants and adults immunised with pneumococcal polysaccharide of serotype 6B conjugated to Tetanus toxoid (Pn6B-TT). Medical Faculty, 7th Research Conference. Icel. Med. J, 1994;80 suppl. 27:74.
- 15) Kristinsson K., **Guðnason Þ**, Júlíusson P, Axelsson A. Hospital Treatment of of children infected with multiresistant pneumococci. Medical Faculty, 7th Research Conference. Icel. Med. J, 1994;80 suppl. 27:109.
- 16) S.Þ.Sigurðardóttir, **Þ.Guðnason**, Þ.Víkingsdóttir, I.Halldorsdóttir, I.Jonsdottir: Immunological problems in Icelandic children with chronic or recurrent Otitis Media and Sinusitis compared with healthy, age matched control. The Icelandic Pediatric Society Research Meeting 1994. University of Iceland, Meeting on research in Dept. of Medicine Jan. 1995.

- 17) Karl G Krisinsson, M Á Hjálmarsdóttir, **P Guðnason**. Epidemiology of Penicillin Resistant Pneumococci (PRP) in Iceland - Hope for the future ?. ICAAC San Francisco, September 1995.
- 18) S.P.Sigurðardóttir, **P.Guðnason**, Þ.Víkingsdóttir, I.Halldorsdóttir, I.Jonsdóttir: Immunological problems in Icelandic children with chronic or recurrent Otitis Media and Sinusitis compared with healthy, age matched control. The Icelandic Pediatric Society Research Meeting 1994. Third Medical Research Conference at the University of Iceland, Jan. 1995.
- 19) Jonsdóttir I, Sigurdardóttir S Th, Vidarsson G, Ingolfsdóttir G, **Gudnason Th**, Davidsdóttir K, Kjartansson s, Kristinsson KG, Leroy O. Pneumococcal Conjugate Vaccines Elicit Functional Antibodies in Infants. 27th Scandinavian Society for Immunology Meeting, Turku, Finland. May 24-27 1996.
- 20) **Guðnason Þ**, Sigurðardóttir LÝ, Kristinsson KG, Kristjánsson K, Laxdal Þ. One Dose Ceftriaxone Treatment of Otitis Media caused by Multiresistant pneumococci. Abstract no. 2268, at ICAAC meeting, New Orleans September 15-18, 1996.
- 21) Sigurðardóttir SP, Jónsdóttir I, Viðarsson G, Ingólfsdóttir G, **Guðnason Þ**, Davíðsdóttir K, Kjartansson S, Kristinsson KG, Leroy O. Pneumococcal conjugate vaccines are safe and elicit functional antibodies in infants. VII Meeting of the European Society of Immunodeficiencies, ESID; Göteborg June 6-9, 1996.
- 22) S.T.Sigurðardóttir, G. Vidarsson, G.Ingolfsdóttir, **Th.Gudnason**, K.Davidsdóttir, S.Kjartansson, K.G.Kristinsson, O.Leroy, I.Jonsdóttir. Safety and immunogenicity of two octavalent pneumococcal vaccines conjugated with tetanus or diphtheria toxoids. ESID June 1996 (Göteborg,Sweden); SSI May 1996 (Turku, Finland); AAAAI/CIS/AAI 1997(SanFrancisco, USA).
- 23) Sigurðardóttir SP, Viðarsson G, Ingólfsdóttir G, **Guðnason Þ**, Davíðsdóttir K, Kjartansson S, Kristinsson KG, Leroy O, Jónsdóttir I. Safety and immunogenicity of two pneumococcal octavalent vaccines conjugated with tetanus or diphtheria toxoids. 1997 American Academy of asthma allergy and immunology (AAAAI), American Association of Immunology (AAI), Clinical Immunology Society (CIS) joint meeting in 1997
- 24) **Guðnason Þ**, Kristinsson KG, Guðbrandsson F, Barsanti F. The penetration of ceftriaxone into middle ear fluid after a single intramuscular dose. Research Conference at the University of Iceland January 4, 1997.
- 25) **Guðnason Þ**, Sigurðardóttir LÝ, Kristinsson KG, Kristjánsson K, Laxdal Þ. Treatment of otitis media caused by multiresistant pneumococci with a single intramuscular dose of ceftriaxone. Research Conference at the University of Iceland January 4, 1997.
- 26) Franklín JL, Kristinsson KG, Haraldsson Á, **Guðnason Þ**. Resistance to antibiotics streptococcus viridans and association with antibiotic usage. Research Conference at the University of Iceland January 4, 1997.
- 27) Sigurðardóttir SP, Viðarsson G, **Guðnason Þ**, Kjartansson S, Kristinsson KG, Jónsson S, Valdimarsson H, Schiffman G, Schneerson R, Jónsdóttir I. Vaccination of young children with pneumococcal antigen of serotype 6B conjugated with tetanus toxoid. Immunogenicity and safety. Research Conference at the University of Iceland January 3, 1997.

- 28) Jónsdóttir I, Sigurðardóttir SP, Viðarsson G, Ingólfssdóttir G, **Guðnason P**, Davíðsdóttir K, Kjartansson S, Kristinsson KG, Leroy O. Polysaccharide vaccines conjugated with protein are immunogenetic in young children and contribute to in vitro killing. Research Conference at the University of Iceland January 3, 1997.
- 29) Viðarsson G, Sigurðardóttir SP, **Guðnason P**, Kjartansson S, Kristinsson KG, Ingólfssdóttir G, Jónsson S, Valdimarsson H, Schiffman G, Schneerson R, Jónsdóttir I. Comparison of opsonin activity and immunogenicity in children and adults vaccinated with pneumococcal vaccine (6B) conjugated with tetanus toxoid. Research Conference at the University of Iceland January 3, 1997.
- 30) Kristinsson KG, Hjálmarsson M Á, **Guðnason P**. Epidemiology of penicillin resistant pneumococci in Iceland. Research Conference at the University of Iceland January 3, 1997.
- 31) K.G.Kristinsson, S.Th.Sigurðardóttir, **Th.Guðnason**, S. Kjartansson, K.Davíðsdóttir, O.Leroy and I. Jonsdóttir. Effect of Vaccination with Octavalent Protein Conjugated Pneumococcal Vaccines on Pneumococcal Carriage in Infants. ICAAC Sept. 1997 (Toronto, Ontario, Canada).
- 32) I.Jonsdóttir, S.Th.Sigurðardóttir, G.Vidarsson, G.Ingólfsdóttir, **Th.Guðnason**, K.Davíðsdóttir, S.Kjartansson, K.G.Kristinsson and O. Leroy. Functional Activity of Antibodies Elicited by Octavalent Pneumococcal Polysaccharide Conjugate Vaccines, PncT and PncD. ICAAC Sept. 1997 (Toronto, Ontario, Canada).
- 33) K.G. KRISTINSSON, M.A. HJALMARSDOTTIR, **T.H. GUDNASON**. Continued Decline in the Incidence of Penicillin Nonsusceptible Pneumococci in Iceland. ICAAC Sept. 1998 (San Diego, USA).
- 34) Sigurveig Þ. Sigurðardóttir, Karl G. Kristinsson, **Þórólfur Guðnason**, Katrín Davíðsdóttir, Sveinn Kjartansson, Odile Leroy, Ingileif Jónsdóttir. Bólfesta pneumókokka í nefkoki barna sem eru bólusett með PNC-D eða PNC-T er tengd lélegra IgG svari gegn sömu hjúpperðum við endurbólusetningu. Ráðstefna um rannsóknir í læknadeild Háskóla Íslands, janúar 1999.
- 35) Ingileif Jónsdóttir, Gestur Viðarsson, Eiríkur Sæland, Gunnhildur Ingólfssdóttir, Sigurveig Þ. Sigurðardóttir, Karl G. Kristinsson, Katrín Davíðsdóttir, Sveinn Kjartansson, **Þórólfur Guðnason** og Odile Leroy. Opsonization, quantity and avidity of pneumococcal antibodies. 10th Medical Research Conference at the University of Iceland. January 1999.
- 36) Sigurveig Þ. Sigurðardóttir, Karl G. Kristinsson, **Þórólfur Guðnason**, Katrín Davíðsdóttir, Sveinn Kjartansson, Odile Leroy, Ingileif Jónsdóttir. Infants Who Respond Poorly To Pneumococcal Conjugate Vaccination May Be More Susceptible To Nasopharyngeal Carriage Of Pneumococci. 10th Medical Research Conference at the University of Iceland. January 1999
- 37) Sigurveig Þ. Sigurðardóttir, **Þórólfur Guðnason**, Gunnhildur Ingólfssdóttir, Karl G Kristinsson, Katrin Davíðsdóttir, Sveinn Kjartansson, Odile Leroy, Ingileif Jonsdóttir. Pneumococcal Colonization And Specific IgG Antibodies In Vaccinated Infants, ESPID, Crete, Greece, 1999.
- 38) **T. GUDNASON**¹, K.G.KRISTINSSON^{1,*}, E. HJALTESTED¹, J. BERNATONIENE², H. ERLENDSDÓTTIR¹, P. KALTENIS² and Á. HARALDSSON¹. Comparison of

- Antimicrobial Use and Resistance in Respiratory Tract Pathogens in Children in Iceland and Lithuania. SSAC, Reykjavik, 20th of August, 1999.
- 39) K.G.KRISTINSSON^{1,*} E. HJALTESTED¹, J. BERNATONIENE², H. ERLENDSDÓTTIR¹, **T. GUDNASON¹**, P. KALTENIS² and Á. HARALDSSON¹. Comparison of Antimicrobial Use and Resistance in Respiratory Tract Pathogens in Children in Iceland and Lithuania. ICCAC, San Francisco September, 1999. Natl. Univ. Hosp.1, Reykjavik, Iceland and Univ. Children's Hosp. 2, Vilnius, Lithuania.
- 40) S. Sigurdardottir, **P Gudnason**, KG Kristinsson, S Kjartansson, K Davidsdottir, G Ingolfsdottir, M Yaich, O Leroy, I Jonsdottir. Safety and Immunogenicity of two different formulations of 11-valent pneumococcal polysaccharide conjugate vaccines, F3 and F3bis in healthy Icelandic infants. Community Health Centre, Reykjavik, Iceland and Pasteur Mérieux Connaught France International Symposium on Pneumococci and Pneumococcal Diseases. Sun City South Africa 19-23 March 2000; abstract P50. National University Hospital and Reykjavik Community Health Centre, Reykjavik, Iceland and Pasteur Mérieux Connaught France.
- 41) S Kjartansson, S Sigurdardottir, **P Gudnason**, KG Kristinsson, K Davíðsdóttir, G Ingólfssdóttir, M Yaich, O Leroy, I Jónsdóttir. Safety And Immunogenicity Of Two Different Formulations Of 11-Valent Pneumococcal Polysaccharide Conjugate Vaccines, F3 And F3bis In Healthy Icelandic Infants. The Nordic Paediatric Congress, Helsinki, Finland in June 2000, (abstract).
- 42) I Jonsdottir, S Sigurdardottir, **P Gudnason**, S Kjartansson, K Davidsdottir, KG Kristinsson, G Ingolfsdottir and O Leroy. Concomitant administration of octavalent pneumococcal polysaccharide conjugate vaccine, PNC-D, and Haemophilus influenzae conjugate vaccine, PRP-D sharing the carrier DT, may induce interference in infants. Community Health Centre, Reykjavik, Iceland and Pasteur Mérieux Connaught France International Symposium on Pneumococci and Pneumococcal Diseases. Sun City South Africa 19-23 March 2000; abstract P50. National University Hospital and Reykjavik Community Health Centre, Reykjavik, Iceland and Pasteur Mérieux Connaught France.
- 43) ST Sigurdardottir¹, **T Gudnason¹**, KG Kristinsson¹, S Kjartansson¹, K Davidsdottir², G Ingolfsdottir¹, M Yaich³, O Leroy³, I Jonsdottir¹. National University Hospital¹ and Reykjavik Community Health Centre², Reykjavik and Aventis Pasteur, France³. Do Two Carrier Proteins for the Less Immunogenic Serotypes Improve the Immune Response to the 11-Valent Pneumococcal Conjugate Vaccine? ICCAC, Toronto September, 2000.
- 44) Einar K Hjaltested, **Pórolfur Guðnason**, Helga Erlendsdóttir, Jolanta Bernatoniene, Petras Kalteni, Karl G Kristinsson, Ásgeir Haraldsson. Antibiotic consumption and resistance of bacteria in the respiratory tract of children in Iceland and Lithuania. Research Conference at the University of Iceland January 4-5, 2001 (E06).
- 45) **Pórolfur Guðnason**, Sigurveig Þ Sigurðardóttir, Karl G Kristinsson, Sveinn Kjartansson, Katrín Davíðsdóttir, Gunnhildur Ingólfssdóttir, Mansour, Yaich, Odile Leroy, Ingileif Jónsdóttir. Can immunogenicity of poorly immunogenic pneumococcal serotypes be improved by conjugating them with two carrier proteins. Research Conference at the University of Iceland January 4-5, 2001 (E21).
- 46) Ingileif Jónsdóttir, Sigurveig Þ Sigurðardóttir, **Pórolfur Guðnason**, Karl G Kristinsson, Sveinn Kjartansson, Katrín Davíðsdóttir, Gunnhildur Ingólfssdóttir, Odile Leroy. Eight

- valent protein conjugated pneumococcal polysaccharides (Pnc-D) can interfere the immune response to PRP-D if connected to the same carrier protein (DT) and administered at the same time. Research Conference at the University of Iceland January 4-5, 2001 (E22).
- 47) Sigurveig Þ Sigurðardóttir, **Þórólfur Guðnason**, Karl G Kristinsson, Sveinn Kjartansson, Katrín Davíðsdóttir, Gunnhildur Ingólfssdóttir, Mansour, Yaich, Odile Leroy, Ingileif Jónsdóttir. Safety and immunogenicity of two 11-valent protein conjugated pneumococcal vaccines (F3 and F3bis) in healthy Icelandic children. Research Conference at the University of Iceland January 4-5, 2001 (V39).
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