

CURRICULUM VITAE

Informazioni personali:

Nome: **Valentina Fainardi**

Data di nascita: 30 luglio 1983

Nazionalità: italiana

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Educazione:

- Nov 2014 - Giu 2018 Dottorato in Scienze Mediche (*Doctor Europaeus*), Università di Parma
PhD student, Clare Lloyd group - Inflammation, Repair & Development
Section, Imperial College of London, UK (Apr '15 – Apr '16)
Tesi: Analysis of neonatal immunity: innate lymphoid cells in cord
blood and oxidative stress in exhaled breath condensate of children born
preterm - *Esito positivo cum laude*
- Lug 2009 - Lug 2014 Scuola di Specializzazione in Pediatria, Università di Parma
Tesi: Valutazione della funzionalità respiratoria con Oscillometria ad
Impulsi in bambini nati pretermine con peso alla nascita <1500 g: ruolo
di IUGR - *50/50 cum laude*
- Ott 2002 - Lug 2008 Medicina e Chirurgia, Università di Parma
Tesi: Qualità della vita nei genitori di bambini con diabete mellito tipo 1
- *110/110 cum laude*
- 1997 - 2002 Diploma di scuola superiore, liceo classico G.D. Romagnosi, Parma
88/100

Titoli:

- PhD, *Doctor Europaeus* Esito positivo cum laude – 19/10/2018, Università di Parma
- European Diploma in Pediatric Respiratory Medicine Hermes examination, European Respiratory Society (ERS) - Sett 2015
- Specializzazione in Pediatria 50/50 cum laude – 11/07/2014, Università di Parma
- Laurea in Medicina e Chirurgia 110/110 cum laude – 15/07/2008, Università di Parma

Attività assistenziale:

- Dirigente Medico assunto come Ricercatore a tempo determinato, Dic 2020 – presente
- Medico con CLP presso Clinica Pediatrica e Centro regionale Fibrosi Cistica, Ospedale P. Barilla - Az. Ospedaliero Universitaria di Parma, Nov 2019 – Dic 2020
- Medico dottorando presso Clinica Pediatrica, Ospedale P. Barilla - Az. Ospedaliero Universitaria di Parma, Mag 2016 - Mag 2018 (in maternità da Gen 2017 a Sett 2017)
- Medico con CLP presso Broncopneumologia, Meyer Hospital, Firenze, Ago - Dic 2014

Attività professionalizzanti:

Clinical fellow presso:

- Clare Lloyd group - Inflammation, Repair & Development Section, Imperial College of London, UK, Apr 2015 - Apr 2016 (Supervisor Prof. Sejal Saglani)
- Broncopneumologia, Ospedale pediatrico A. Meyer, Firenze (Supervisor: Dr. E. Lombardi), Gen - Apr 2014
- Endoscopia respiratoria e Rianimazione pediatrica, Ospedale pediatrico A. Meyer, Firenze (Supervisor: Dr. L. Mirabile), Mag 2012, Apr 2013
- Neonatologia, Ospedale Pietro Barilla, Parma, Gen 2013 - Dic 2014
- Royal Brompton Hospital, Paediatrics Department, Respiratory Unit, London (UK) (Supervisor: Prof. A. Bush), Lug - Dic 2011
- Chelsea&Westminster Hospital, Neonatal Intensive Care Unit, London (UK) (Supervisor: Dr S. Uthaya), Ago 2008

Masters:

- Spirometria in età pediatrica: corso avanzato - SIMRI, Pisa, Giu 2019
- Paediatric Basic Life Support and Early Defibrillation (PBLs-D, Parma, Feb 2018)

- Medical Statistics Course, Imperial College, London (UK), Mag 2015
- Neonatal and paediatric lung scan - practical course, Rimini, Mag 2013
- Paediatric hands-on flexible bronchoscopy course, European Respiratory Society course, Paris (Francia), Sett 2012
- Broncoscopia pediatrica, corso pratico, SIMRI - GIERPI, Napoli, Feb 2012
- Introductory Medical Statistics Course, Imperial College, London (UK), Nov 2011
- Interventional Pulmonology and Bronchoscopy, Parma, Mar-Apr 2011
- Basic Course on Cystic Fibrosis, European Respiratory Society course, Rotterdam (Paesi Bassi), Mar 2010

Good clinical practice certificate, London (UK), May 2015

Altre attività:

Reviewer per le seguenti riviste:

- Acta Biomedica
- Pediatric Pulmonology
- ERJ Open Research
- Frontiers in pediatrics
- Pediatric Allergy and Immunology
- Journal of Pediatric Intensive Care

Produzione regolare di contributi scientifici per il sito SIMRI (Società Italiana di Malattie Respiratorie Infantili) (www.simri.it)

Attività umanitarie:

- Missione come pediatra specializzando in Bangladesh, Nov 2010

Publicazioni:

1. **Fainardi V**, Saglani S. An approach to the management of children with problematic severe asthma. *Acta Biomed.* 2020 Sep 7;91(3):e2020055
2. **Fainardi V**, Longo F, Chetta A, Esposito S, Pisi G. Sars-CoV-2 infection in patients with cystic fibrosis. An overview. *Acta Biomed.* 2020 Sep 7;91(3):e2020035
3. Iannarella R, Lattanzi C, Cannata G, Argentiero A, Neglia C, **Fainardi V**, Pisi G, Esposito S. Coronavirus infections in children: from SARS and MERS to COVID-19, a narrative review of epidemiological and clinical features. *Acta Biomed.* 2020 Sep 7;91(3):e2020032
4. Lattanzi C, Messina G, **Fainardi V**, Tripodi MC, Pisi G, Esposito S. Allergic Bronchopulmonary Aspergillosis in Children with Cystic Fibrosis: An Update on the Newest Diagnostic Tools and Therapeutic Approaches. *Pathogens.* 2020 Aug 31;9(9):E716
5. **Fainardi V**, Santoro A, Caffarelli C. Preschool Wheezing: Trajectories and Long-Term Treatment. *Front Pediatr.* 2020 May 12;8:240.
6. **Fainardi V**, Fasola S, Mastroilli C, Volta E, La Grutta S, Vanelli M. A two-week summer program promoting physical activity: quality of life assessment in Italian children. *Psychol Health Med.* 2020 May 12:1-13
7. Elisabetta Teopompi, Patrizia Risè, Roberta P. Pisi, Carola Buccellati, Marina Aiello, Giovanna Pisi, Candida Tripodi, Valentina Fainardi, Enrico Maria Clini, Alfredo Chetta, G. Enrico Rovati and Angelo Sala. Arachidonic acid and docosahexaenoic acid metabolites in the airways of adults with cystic fibrosis: effect of docosahexaenoic acid supplementation. *Front Pharmacol.* 2019 Aug 23;10:938
8. Vanelli M, Mastroilli C, **Fainardi V**, Iovane B, Scarabello C, Veronese P, Fanelli U, Incerti T, Tchana B, Dodi I, Di Mauro D. Clinical utility of beta-hydroxybutyrate measurement in the management of physiological ketosis at home in children under 5. *Acta Biomed.* 2019 May 23;90(2):215-220
9. Peducci E, Mastroilli C, Falcone S, Santoro A, Fanelli U, Iovane B, Incerti T, Scarabello C, **Fainardi V**, Caffarelli C, Di Mauro D, Dodi I, Tchana B, Vanelli M. Disturbed eating behavior in pre-teen and teenage girls and boys with type 1 diabetes. *Acta Biomed.* 2019 Jan 15;89(4):490-497
10. Lombardi E, **Fainardi V**, Calogero C, Puglia M, Voller F, Cuttini M, Rusconi F. Lung function in a cohort of 5-year-old children born very preterm. *Pediatr Pulmonol.* 2018 Dec;53(12):1633-1639
11. Saglani S, Gregory LG, Manghera AK, Branchett WJ, Uwadiae F, Entwistle LJ, Oliver RA, Vasiliou JE, Sherburn R, Lui S, Puttur F, Vöhringer D, Walker SA, Buckley J, Grychtol R, **Fainardi V**, Denney L, Byrne A, von Mutius E, Bush A, Lloyd CM. Inception of early-life allergen-induced airway hyperresponsiveness is reliant on IL-13₊CD4₊T cells. *Sci Immunol.* 2018 Sep 7;3(27)
12. Vanelli M, Munari A, Fabbri D, Iovane B, Scarabello C, Dodi I, Mastroilli C, **Fainardi V**, Di Mauro D, Caffarelli C. Could infantile interactive drawing technique be useful to promote the communication between children with Type-1 diabetes and pediatric team? *Acta Biomed.* 2018 Jun 15;89(2):233-241
13. **Fainardi V**, Lombardi E. Lung function tests to monitor respiratory disease in preschool children. *Acta Biomed.* 2018 Jun 14;89(2):148-156.
14. Iovane B, Cangelosi AM, Bonaccini I, Di Mauro D, Scarabello C, Panigari A, Tiri A, Mastroilli C, **Fainardi V**, Dodi I, Vanelli M. Diabetic ketoacidosis at the onset of Type 1

diabetes in young children Is it time to launch a tailored campaign for DKA prevention in children <5 years? *Acta Biomed.* 2018 Jan 8;89(1):67-71.

15. Iovane B, Cangelosi AM, Bonaccini I, Mastrorilli C, Di Mauro D, **Fainardi V**, Chiari G, Maltese M, Caffarelli C, Vanelli M. Effectiveness of a tailored medical support to overcome the barriers to education, treatment and good metabolic control in children with type-1 diabetes from ethnic minorities. *Acta Biomed.* 2018 Jan 16;88(4):477-482.
16. Pisi G, **Fainardi V**, Aiello M, Bertorelli G, Crisafulli E, Chetta A. The role of the microbiome in childhood asthma. *Immunotherapy.* 2017 Nov;9(15):1295-1304
17. Crisafulli E, Frizzelli A, Fantin A, Manco A, Mangia A, Pisi G, **Fainardi V**, Alfieri V, Aiello M, Bertorelli G, Chetta A. Next generation beta adrenoreceptor agonists for the treatment of asthma. *Expert Opin Pharmacother.* 2017 Oct;18(14):1499-1505.
18. Cangelosi AM, Bonacini I, Serra RP, Di Mauro D, Iovane B, **Fainardi V**, Mastrorilli C, Vanelli M. Spontaneous Dissemination in Neighboring Provinces of DKA Prevention Campaign Successfully Launched in Nineties in Parma's Province. *Acta Biomed.* 2017 Aug 23;88(2):151-155
19. Martin Alonso A, **Fainardi V**, Saglani S. Severe therapy resistant asthma in children: translational approaches to uncover sub-phenotypes. *Expert Rev Respir Med.* 2017;21:1-8
20. Cook J, Beresford F, **Fainardi V**, Hall P, Housley G, Jamalzadeh A, Nightingale M, Winch D, Bush A, Fleming L, Saglani S. Managing the pediatric patient with refractory asthma: a multidisciplinary approach. *J Asthma Allergy.* 2017;10:123-130
21. Serio P, Nenna R, **Fainardi V**, Grisotto L, Biggeri A, Leone R, Arcieri L, Di Maurizio M, Colosimo D, Baggi R, Murzi B, Mirabile L, Midulla F. Residual tracheobronchial malacia after surgery for vascular compression in children: treatment with stenting. *Eur J Cardiothorac Surg.* 2017 Feb 1;51(2):211-217
22. **Fainardi V**, Saglani S. The need to differentiate between adults and children when treating severe asthma. *Expert Rev Respir Med.* 2015;9(4):419-28.
23. Koo S, Gupta A, **Fainardi V**, Bossley C, Bush A, Saglani S, Fleming L. Ethnic variation in response to intramuscular triamcinolone in children with severe therapy resistant asthma. *Chest.* 2016 Jan;149(1):98-105
24. **Fainardi V**, Pisi G, Chetta A. Mepolizumab in the treatment of severe eosinophilic asthma. *Immunotherapy.* 2016;8(1):27-34
25. Enrico Chiappa, Antonella Greco, **Valentina Fainardi**, Silvia, Passantino, Daniele Serranti, Silvia Favilli. Right aortic arch prenatally detected: a rare case with bilateral arterial duct and non-confluent pulmonary arteries. *Can J Cardiol.* 2015 Apr 1. pii: S0828-282X(15)00248-2
26. Paola Serio, Enrico Chiappa, **Valentina Fainardi**, Silvia Favilli, Bruno Murzi, Roberto Baggi, Luigi Arcieri, Roberto Leone, Lorenzo Mirabile. ALCAPA and massive pulmonary atelectasis: how a stent in the airway can be life-saving. *Int J Pediatr Otorhinolaryngol.* 2014 Nov;78(11):2015-7
27. Enrico Chiappa, Antonella Greco, **Valentina Fainardi**, Silvia, Passantino, Daniele Serranti, Silvia Favilli. Aortic arch interruption and persistent fifth aortic arch in PHACE syndrome: prenatal diagnosis and postnatal course. *Echocardiography.* 2015 Sep;32(9):1441-3.
28. Serio, P, **Fainardi V**, Leone R, Biggeri A, Baggi R, Mirabile L. Tracheobronchial obstruction: follow-up study of 100 children treated with airway stenting. *Eur J Cardiothorac Surg.* 2014 Apr;45(4):e100-9

29. **Fainardi V**, Koo SD, Padley SP, Lam SH, Bush A. Prevalence of scoliosis in cystic fibrosis. *Pediatr Pulmonol*. 2013 Jun;48(6):553-5
30. **Fainardi V**, Bush A. The authors reply. *Pediatr Pulmonol*. 2014 Feb;49(2):202
31. Serio P, Leone R, **Fainardi V**, Baggi R, Murzi B, Noccioli B, Arcieri L, Mirabile L. The role of endoscopy in the treatment of IV type laryngotracheal cleft complications after surgical repair. *Int J Pediatr Otorhinolaryngol*. 2014 Feb;78(2):377-80
32. **Fainardi V**, Cabassi A, Carano N, Rocco R, Fiaccadori E, Regolisti G, Dodi I, Del Rossi C. Severe hypokalemia and hypophosphatemia presenting with carpopedal spasm associated with rhabdomyolysis: a case report *Acta Biomedica*. 2014 Aug 20;85(2):167-70
33. Angelo Gianni Casalini, Maria Majori, **Valentina Fainardi**. I Corpi Estranei Inalati in Età Pediatrica. *Pneumologia pediatrica*. 2012; 46(12):32-38
34. **Fainardi V**, Longo F, Faverezani S, Tripodi MC, Chetta A, Pisi G. Short-Term Effects of High-Frequency Chest Compression and Positive Expiratory Pressure in Patients with Cystic Fibrosis. *J Clin Med Res*. 2011; 3(6):279-284
35. **Fainardi V**, Scarabello C, Brunella I, Errico MK, Mele A, Gelmetti C, Sponzilli I, Chiari G, Volta E, Vitale M, Vanelli M; Residents of the Post-Graduate School of Paediatrics. Sedentary lifestyle in active children admitted to a summer sport school. *Acta Biomed*. 2009 Aug;80(2):107-16
36. **Fainardi V**, Scarabello C, Cangelosi A, Fanciullo L, Mastrorilli C, Giannini C, Mohn A, Iafusco D, La Loggia A, Lombardo F, Toni S, Valerio G, Franzese A, Prisco F, Chiarelli F, Vanelli M. Physical activity and sedentary lifestyle in children with type 1 diabetes: a multicentre Italian study. *Acta Biomed*. 2011 Aug;82(2):124-31.
37. Errico MK, Iovane B, Bernardini A, Gliati D, Scarabello C, **Fainardi V**, Chiari G, Sav M, Vanelli M. Haemolysis during diabetic ketoacidosis treatment in two girls with incomplete glucose-6-phosphate dehydrogenase deficiency. *Acta Biomed*. 2009 Apr;80(1):69-72
38. Del Rossi C, Fontechiari S, Casolari E, **Fainardi V**, Caravaggi F, Lombardi L. Treatment of congenital anomalies in a missionary hospital in Bangladesh: results of 17 paediatric surgical missions. *Acta Biomed*. 2008 Dec;79(3):260-3
39. **Fainardi V**, Sponzilli I, Monti G, Volta E. Sport injuries prevention strategy in active children. The Giocampus Barilla experience. *Acta Biomed*. 2009;80(3):301-3
40. Vanelli M, Scarabello C, **Fainardi V**. Available tools for primary ketoacidosis prevention at diabetes diagnosis in children and adolescents. "The Parma campaign". *Acta Biomed*. 2008 Apr;79(1):73-8

Capitoli di libri

- **Valentina Fainardi**, Giovanna Pisi, Alfredo Chetta. “Aspetti psicologici dei pazienti affetti da malattie respiratorie e condivisione delle decisioni di fine vita”. In Leonardo M. Fabbri and Serafino A. Marsico (eds.), *Trattato di malattie respiratorie*, capitolo 54, pp 590-594. Napoli: Edises, 2013
- M. Vanelli, **V. Fainardi**. *Emergenze in pediatria, linee guida della scuola di Specializzazione in Pediatria*, Università degli studi di Parma, Ed. Mattioli 1885, 2012

Membro delle seguenti società scientifiche:

- Società Italiana Malattie Respiratorie Infantili (SIMRI), 2012-
- Società Italiana di Pediatria (SIP), 2009-
- European Respiratory Society (ERS), 2010-
- Società Italiana Fibrosi Cistica (SIFC), 2011-2013
- Commissione Giovani Fibrosi Cistica SIP, 2010-2012
- European Cystic Fibrosis Society (ECFS), 2010-2013