SWISS MEDICAL NETWORK

Dr méd. Alessandra Ferrarini

Specialista in pediatria e specialista in genetica medica, membro FMH
Consulente Medisyn Svizzera
Docente presso la facoltà di medicina USI Lugano

Langues

IT,FR,EN

Expérience professionnelle

Depuis 2024	**Paediatrician and independent clinical geneticist, at Clinica Sant'Anna, Sorengo and consultant at Medisyn, Switzerland**
Depuis 2022	**Accreditation at Swiss Medical Network**
Depuis 2021	**Lecturer at Università della Svizzera Italiana (USI)**
2020–2024	Paediatrician and independent clinical geneticist, at Centro Medico, Stazione, Lugano
2019–2022	Head Physician, Head of Medical Genetics Service at Ospedale Italiano di Lugano (IOSI-OIL)
2013–2018	Chief Resident Physician and then Head of Service, Paediatrics Service (IPSI) San Giovanni Hospital, Bellinzona

Formation

2013	Resident Assistant Physician, Medical Genetics Service, Necker-Enfants Malades Hospital (Paris, France); activities at the outpatient clinics specialising in dysmorphology, genetic skeletal diseases, neurogenetic and mitochondrial diseases; head Prof Dr. med. A. Münnich
2011–2013	Chief physician, Integrated Service Mendrisio and Bellinzona Hospitals (Switzerland); responsible Prof Dr. med. M. G. Bianchetti and Prof. Dr. med. G.P. Ramelli Chief Consultant Physician, Integrated Service Mendrisio and Bellinzona Hospitals (Switzerland); responsible for Prof Dr. med. M. G. Bianchetti and Prof. Dr. med. G.P. Ramelli.
2009–2011	Assistant physician, Paediatrics Service, CHUV-Lausanne (Switzerland); responsible Prof. Dr. med. S. Fanconi
2007–2009	Assistant physician, Medical Genetics Service, CHUV-Lausanne (Switzerland); responsible Prof. Dr. med. J. Beckmann.
2004–2007	Assistant physician, Integrated Paediatrics Service, Mendrisio and Bellinzona Hospitals (Switzerland); responsible Prof. Dr. med. M.G. Bianchetti and Prof. Dr. med. G.P. Ramelli
2003–2004	Fellow physician, Department of Paediatrics, Medical Genetics Service, University Paediatric Clinic "G. e D. De Marchi", Milan (Italy), responsible Dr. med. A. Selicorni
2001–2003	Medical fellow, Department of Paediatrics, Paediatric Oncology Service, University Paediatric Clinic "G. e D. De Marchi", Milan (Italy), responsible Prof. Dr. med. V. Carnelli

1996–2001	University of Milan (Italy), Faculty of Medicine. Diploma of medical surgeon. Title of thesis: "Interferon therapy of angiomas in paediatric age".

Affiliations

Depuis 2012	FMH Title Medical Genetics
Depuis 2011	FMH Title in Paediatrics

Profil

BORSE DI STUDIO - SPONSORIZZAZIONI

2003–2004: Borsa di studio contribuita da associazioni di genitori con bambini affetti da malattia rara (Associazione Nazionale di Volontariato Cornelia de Lange; Associazione Italiana Sindrome di Wolf-Hirschhorn) per attività di ricerca e assistenza.

2004: Borsa di studio contribuita dall'associazione AIDWEB.org–ONLUS, per la collaborazione nella creazione del sito web AIDWEB per le malattie rare.

2013: Borsa di studio contribuita da Telethon Suisse, per una collaborazione clinica col Servizio di genetica medica dell'ospedale Necker-Enfants Malades (Parigi, Francia).

1.11.2012: Creazione del Fondo Malattie Rare Pediatriche a scopo diagnostico e di ricerca nel campo delle malattie rare dei bambini (sovvenzionato dalla Fondazione Kiwanis Lugano per il primo anno di attività).

SUPERVSIONE DI TESI DI MASTER PER L'OTTENIMENTO DELLA LAUREA IN MEDICINA

1. Ilaria Parenti (Università degli Studi di Milano, 2016)

2. Sabrina Mueller (università di Basilea, 2017)

3. Giogia Pellanda (Università di Basilea, 2017)

4. Luca Jermini (Università di Basilea, 2018)

5. Gabriel Bronz (Università di Berna, 2018)

ATTIVITÀ DI REVIEWER PER RIVISTE SCIENTIFICHE

European Journal of Pediatrics - Human Genetics - The Journal of Pediatrics

PARTECIPAZIONE A CONSORZI DI RICERCA INTERNAZIONALI

1. Consortium 16p11.2:

- 16p11.2 Locus modulates response to satiety before the onset of obestity. Int J Obes 2016 40:870-876.

- Chromosomal contacts connect loci associated with autism, BMI and head circumference phenotypes. Mol Psychiatry 2016; 22:836-849.

- Defining the effect of the 16p11.2 duplication on cognition, behavior, and medical comorbidities. JAMA Psychiatry 2016; 73:20-30.

2. Consortium 15q11.2:

- Estimating the effect size of the 15q11.2 BP1-BP3 deletion and its contribution to neurodevelopmental symtoms: recommendation for practise. J Med Genet 2019; 56:701-710.

Publications

BIBLIOGRAFIA (riviste scientifiche con revisione paritaria)

Fattore di Hirsch: 10 (ISI; 8 giugno 2020)

• ARTICOLI ORGINALI (E REVIEWS SISTEMATICHE)

1. Zollino M, Lecce R, Selicorni A, Murdolo M, Mancuso I, Marangi G, Zampino G, Garavelli L, **Ferrarini A**, Rocchi M, Opitz JM, Neri G. A double cryptic chromosome imbalance is an important factor to explain phenotypic variability in Wolf-Hirschhorn syndrome. Eur J Hum Genet 2004;12:797-804.

2. Bartoli F, Martinez JM, **Ferrarini A**, Recaldini E, Bianchetti MG. Poor adherence to the prophylactic use of vitamin D3 in Switzerland. J Pediatr Endocrinol Metab 2006;19:281-282.

3. Robbiani JH, Simonetti G, Crosazzo L, **Ferrarini A,** Pronzini F, Bianchetti MG. False positive dipstick for urinary blood in childhood. J Nephrol 2006;19:605-606.

4. Van der Aa N, Rooms L, Vandeweyer G, van den Ende J, Reyniers E, Fichera M, Romano C, Delle Chiaie B, Mortier G, Menten B, Destrée A, Maystadt I, Männik K, Kurg A, Reimand T, McMullan D, Oley C, Brueton L, Bongers EM, van Bon BW, Pfund R, Jacquemont S, **Ferrarini A,** Martinet D, Schrander-Stumpel C, Stegmann AP, Frints SG, de Vries BB, Ceulemans B, Kooy RF.nFourteen new cases contribute to the characterization of the 7q11.23 microduplication syndrome. Eur J Med Genet 2009;52:94-100.

5. **Ferrarini A**, Osterheld MC, Vial Y, de Viragh PA, Cotting J, Martinet D, Beckmann JS, Fellmann F. Familial occurrence of an association of multiple intestinal atresia and choanal atresia: a new syndrome? Am J Med Genet A 2009;149A:2661-2665.

6. Walters RG, Jacquemont S, Valsesia A, de Smith AJ, Martinet D, Andersson J, Falchi M, Chen F, Andrieux J, Lobbens S, Delobel B, Stutzmann F, El-Sayed Moustafa JS, Chèvre JC, Lecoeur C, Vatin V, Bouquillon S, Buxton JL, Boute O, Holder-Espinasse M, Cuisset JM, Lemaitre MP, Ambresin AE, Brioschi A, Gaillard M, Giusti V, Fellmann F, **Ferrarini A**, Hadjikhani N, Campion D, Guilmatre A, Goldenberg A, Calmels N, Mandel JL, Le Caignec C, David A, Isidor B, Cordier MP, Dupuis-Girod S, Labalme A, Sanlaville D, Béri-Dexheimer M, Jonveaux P, Leheup B, Ounap K, Bochukova EG, Henning E, Keogh J, Ellis RJ, Macdermot KD, van Haelst MM, Vincent-Delorme C, Plessis G, Touraine R, Philippe A, Malan V, Mathieu-Dramard M, Chiesa J, Blaumeiser B, Kooy RF, Caiazzo R, Pigeyre M, Balkau B, Sladek R, Bergmann S, Mooser V, Waterworth D, Reymond A, Vollenweider P, Waeber G, Kurg A, Palta P, Esko T, Metspalu A, Nelis M, Elliott P, Hartikainen AL, McCarthy MI, Peltonen L, Carlsson L, Jacobson P, Sjöström L, Huang N, Hurles ME, O'Rahilly S, Farooqi IS, Männik K, Jarvelin MR, Pattou F, Meyre D, Walley AJ, Coin LJ, Blakemore AI, Froguel P, Beckmann JS. A new highly penetrant form of obesity due to deletions on chromosome 16p11.2. Nature 2010;463:671-675.

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11. **Ferrarini A**, Lava SAG, Simonetti GD, Ramelli GP, Bianchetti MG; on behalf of the Swiss Italian Society of Pediatrics. Influenzavirus B-associated acute benign myalgia cruris: An outbreak report and review of the literature. Neuromuscul Disord 2014;24:342–346.

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23. Pellanda F, Lava SAG, Milani GP, Bianchetti MG, **Ferrarini A**, Vanoni F. Immune deposits in skin vessels of patients with acute hemorrhagic edema of young children: a systematic literature review. Pediatr Dermatol 2020;37:120-123.
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• REVIEWS NARRATIVE

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28. Simonetti GD, Santoro L, **Ferrarini A,** Crosazzo-Franscini L, Fossali E, Bianchetti MG. Systemic hypertension and proteinuria in childhood chronic renal parenchymal disease. Role of antihypertensive drug management. Paediatr Drugs 2007;9:413-418.
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30. **Ferrarini A**, Jacquemont S, Beck Popovic M, Bonafé L, Martinet D. Puce à ADN: pourqoui et pour qui. Rev Med Suisse 2010;237:390-396.
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32. **Ferrarini A**, Bianchetti AA, Fossali EF, Faré PB, Simonetti GD, Lava SAG, Bianchetti MG. What can we do to make antihypertensive medications taste better for children? Int J Pharm 2013;457:333-336.

• LETTERS – CASE REPORT

33. **Ferrarini A**, Selicorni A, Cagnoli G, Zollino M, Lecce R, Chines C, Battaglia A. Distinct facial dysmorphism, pre and postnatal growth retardation, microcephaly, seizures, mental retardation and hypotonia. Ital J Pediatr 2003;29:393-397.
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Bronz G, Leoni-Foglia C, Lava SG, Simonetti GD, **Ferrarini A.** Pathologic fracture revealed a rare syndromic form of genetic lipodystrophy. Clin Dysmorphol 2020;29:53-60.

Accréditation

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Spécialités

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