

## CURRICULUM VITAE

### **Jana Volejnikova, MD, PhD**

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### **Education and professional growth**

- 1999 – 2005 MD, Faculty of Medicine, Palacky University Olomouc, with Distinction
- 2006 – 2013 PhD, 2nd Faculty of Medicine, Charles University Prague  
Molecular and cell biology, genetics and virology  
Dissertation: Prognosis of childhood acute lymphoblastic leukemia according to novel clinical and biological risk factors. Defended January 2013
- 2013 Board certification in pediatrics
- 2022 – Associate professor of Pediatrics at Faculty of Medicine, Palacky University Olomouc  
Thesis: Novel diagnostic and prognostic markers in pediatric non-malignant hematology

### **Employment**

- 2005 – 2012 Resident physician, Department of pediatric hematology and oncology, 2nd Faculty of Medicine and University Hospital Motol, Prague
- 2006 – 2010 Duties at Pediatric Emergency, University Hospital Motol, Prague
- 2009 – 2012 Research associate, CLIP – Laboratory of molecular genetics, Department of pediatric hematology and oncology, University Hospital Motol, Prague
- 2013 – 2014 Pediatrician, Unicare Medical Center and MediClinic, Prague
- 2014 Vice head of Pediatric department, Hospital Kromeriz
- 2014 – Clinical and postdoctoral research fellow in Pediatrics, Department of Pediatrics, Faculty of Medicine and Dentistry, University Hospital Olomouc
- 2014 – Postdoctoral research fellow, Institute of Molecular and Translational Medicine, Palacky University Olomouc
- 2019 – 2020 Head of training program in Pediatrics for foreign students of General Medicine in English language, Department of Pediatrics

- 2020 – Senior lecturer and Head of training program in Medical genetics for foreign students of General Medicine in English language, Department of Medical Genetics, Faculty of Medicine and Dentistry, Palacky University Olomouc
- 2020 – Senior lecturer, Department of Biology, Faculty of Medicine and Dentistry, Palacky University Olomouc

### **Membership**

- Czech Pediatric Hematology Working Group (CPHWG)
- Czech Medical Association
- Diamond Blackfan Anemia International Collaboration Conference (DBA-ICC)

### **Publications in peer-reviewed journals:**

**H-index: 6**

**Total citations: 160 (WoS) without autocitations**

**Impact factors were calculated for the respective year of manuscript issue.**

1. Prognosis of children with mixed phenotype acute leukemia treated on the basis of consistent immunophenotypic criteria  
Mejstrikova E, Volejnikova J, Fronkova E, Zdrahalova K, Kalina T, Jaroslav Sterba J, Yahia Jabali Y, Mihal V, Blazek B, Cerna Z, Prochazkova D, Hak J, Zemanova Z, Jarosova M, Oltova A, Sedlacek P, Schwarz J, Zuna J, Trka J, Sary J, Hrusak O  
Haematologica 2010; 95(6):928-35 (IF=6.532)
2. Minimal residual disease in peripheral blood at day 15 identifies a subgroup of childhood B-cell precursor acute lymphoblastic leukemia with superior prognosis  
Volejnikova J, Mejstrikova E, Valova T, Reznickova L, Hodonska L, Mihal V, Sterba J, Jabali Y, Prochazkova D, Blazek B, Hak J, Cerna Z, Hrusak O, Sary J, Trka J, Fronkova E  
Haematologica 2011; 96(12):1815-21 (IF=6.424)
3. Gene expression profiling of acute graft-versus-host disease after hematopoietic stem cell transplantation  
Verner J, Kabathova J, Tomancova A, Pavlova S, Tichy B, Mraz M, Brychtova Y, Krejci M, Zdrahal Z, Trbusek M, Volejnikova J, Sedlacek P, Doubek M, Mayer J, Pospisilova S  
Experimental Hematology 2012; 40(11):899-905 (IF=2.907)
4. Stanovení mimodřeňové leukemické infiltrace u dětské akutní lymfoblastické leukémie a jeho klinické využití. Přehledný článek a vlastní výsledky.

Volejníková J., Mejstříková E., Slámová L., Mihál V., Štěrba J., Jabali Y., Procházková D., Blažek B., Hak J., Černá Z., Hrušák O., Starý J., Trka J., Froňková E.  
Transfuzie a hematologie dnes 2012; 18(3): 125-129

5. Ikaros (IKZF1) alterations and minimal residual disease at day 15 assessed by flow cytometry predict prognosis of childhood BCR/ABL-negative acute lymphoblastic leukemia  
Volejnikova J, Mejstrikova E, Dörge P, Meissner B, Zimmermannova O, Svojgr K, Stanulla M, Cario G, Schrappe M, Stary J, Hrusak O, Trka J, Fronkova E  
Pediatric Blood and Cancer 2013; 60(3):420-7 (IF=2.562)
6. CD2-positive B-cell precursor acute lymphoblastic leukemia with an early switch to the monocytic lineage  
Slamova L, Starkova J, Fronkova E, Zaliova M, Reznickova L, van Delft F, Vodickova E, Volejnikova J, Zemanova Z, Polgarova K, Cario G, Figueroa M, Kalina T, Fiser K, Bourquin JP, Bornhauser B, Dworzak M, Zuna J, Trka J, Stary J, Hrusak O, Mejstrikova E  
Leukemia 2014; 28(3):609-20 (IF=10.431)
7. Treatment and prognosis of childhood acute lymphoblastic leukemia on protocols ALL-BFM 90, 95 and ALL IC-BFM 2002: a retrospective single-center study from Olomouc, Czech Republic  
Volejnikova J, Jarosova M, Pospisilova D, Novak Z, Vrbkova J, Hajduch M, Mihal V  
Neoplasma 2016; 63(3):456-61 (IF=1.871)
8. Bone marrow metastasis of malignant melanoma in childhood arising within a congenital melanocytic nevus  
Volejnikova J, Bajciova V, Sulovska L, Geierova M, Buriankova E, Jarosova M, Hajduch M, Sterba J, Mihal V  
Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub 2016; 160(3):456-60 (IF=0.894)
9. Long-term follow-up of children and adolescents with primary sclerosing cholangitis and autoimmune sclerosing cholangitis  
Smolka V, Karaskova E, Tkachyk O, Aiglova K, Ehrmann J, Michalkova K, Konecny M, Volejnikova J  
Hepatobiliary & Pancreatic Diseases International 2016; 15(4):412-8 (IF=1.649)
10. Chromosomal aberrations in childhood acute lymphoblastic leukemia: 15-year single center experience  
Jarosova M, Volejnikova J, Porizkova I, Holzerova M, Pospisilova D, Novak Z, Vrbkova J, Mihal V  
Cancer Genet 2016; 209(7-8):340-7 (IF=1.930)

11. Unmet psychosocial needs in adolescents with inflammatory bowel disease  
Zmeskalova D, Prasko J, Holubova M, Karaskova E, Marackova M, Slepecky M, Grambal A, Volejnikova J, Mihal V, Latalova K  
Neuro Endocrinol Lett 2016; 37(5):373-80 (IF=0.918)
12. Dapsone Treatment is Efficient against Persistent Cutaneous and Gastrointestinal Symptoms in Children with Henoch-Schönlein Purpura  
Volejnikova J, Horacek J, Kopriva F  
Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub 2018; 162(2):154-8 (IF=1.141)
13. Acute Lymphoblastic Leukemia in a Child with Leri-Weill Syndrome and Complete SHOX Gene Deletion: A Case Report  
Volejnikova J, Zapletalova J, Jarosova M, Urbankova H, Vojta P, Klaskova E, Horwitz MS, Hajduch M, Mihal V  
Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub 2018; 162(1):65-70 (IF=1.141)
14. Multifarious diagnostic possibilities of the S100 protein family, predominantly in paediatrics and neonatology  
Medkova A, Potomkova J, Srovnal J, Volejnikova J, Mihal V  
World Journal of Pediatrics, 2018; 14(4):315-21 (IF=1.169)
15. Hepcidin in children with newly diagnosed inflammatory bowel disease  
Karaskova E, Volejnikova J, Holub D, Velganova-Veghova M, Sulovska L, Mihal V, Horvathova M, Pospisilova D  
Journal of Paediatrics and Child Health 2018; 54(12):1362-7 (IF=1.688)
16. Opakovaná spontánní remise atypického hemolyticko-uremického syndromu vyvolaného chřipkou – kazuistika  
Flögelová H., Volejníková J., Hrachovinová I., Prohászka Z., Šeda M., Gumulec J.  
Česko-slovenská pediatrie 2020; 75(2):98-102 (IF=0.08)
17. Changes in serum hepcidin levels in children with inflammatory bowel disease during anti-inflammatory treatment  
Karaskova E, Volejnikova J, Holub D, Velganova-Veghova M, Spenerova M, Mihal V, Pospisilova D  
Journal of Paediatrics and Child Health 2020; 56(2):276-82 (IF=1.710)
18. Acute onset of autoimmune hepatitis including acute liver failure in children and adolescents  
Smolka V, Tkachyk O, Ehrmann J, Karaskova E, Zapalka M, Volejnikova J  
Hepatobiliary & Pancreatic Diseases International 2020; 19(1):17-21 (IF=2.428)

19. Czech and Slovak Diamond-Blackfan Anemia (DBA) Registry Update: Clinical data and novel causative genetic lesions  
Volejnikova J, Vojta P, Urbankova H, Mojzickova R, Horvathova M, Hochova I, Cermak J, Blatny J, Sukova M, Bubanska E, Feketeova J, Prochazkova D, Horakova J, Hajduch M, Pospisilova D  
Blood Cells, Molecules and Diseases 2020; 81: 102380 (IF=2.460)
20. Genotype-phenotype association and variant characterization in Diamond-Blackfan Anemia caused by RPL35A  
Gianferante DM, Wlodarski MW, Atsidaftos E, Da Costa L, Delaporta P, Farrar JE, Goldman FD, Hussain M, Kattamis A, Leblanc T, Lipton JM, Niemeyer CM, Pospisilova D, Quarello P, Ramenghi U, Sankaran VG, Vlachos A, Volejnikova J, Alter BP, Savage SA, Giri N  
Haematologica 2021; 106(5):1303-10 (IF=7.116)
21. Severe linezolid-induced lactic acidosis in a child with acute lymphoblastic leukemia: a case report  
Smolka V, Rohanova M, Ludikova B, Novak Z, Zapalka M, Pospisilova D, Volejnikova J  
Journal of Infection and Chemotherapy 2020; 26(12):1316-8 (IF=1.722)
22. Importance of Hepcidin in the Etiopathogenesis of Anemia in Inflammatory Bowel Disease  
Karaskova E, Pospisilova D, Velganova-Veghova M, Geryk M, Volejnikova J, Holub D, Hajduch M  
Digestive Diseases and Sciences 2021; 66(10):3263-9 (IF=2.751)
23. Anémie u dětí s nespecifickými střevními záněty  
Karásková E., Pospíšilová D., Horváthová M., Velgáňová-Véghová M., Špenerová M., Geryk M., Volejníková J.  
Česko-slovenská pediatrie 2020; 75(5):278-83 (IF=0.08)
24. Objemný gastroduodenální trichobezoár (Rapunzel syndrom) jako příčina bolestí břicha a nechutenství u devítileté dívky  
Geryk M., Karásková E., Malý T., Velgáňová-Véghová M., Ludíková B., Čivrný J., Volejníková J.  
Česko-slovenská pediatrie 2021; 76(5-6):264-8 (IF=0.08)
25. Missense mutation in RPS7 causes Diamond-Blackfan anemia via alteration of erythrocyte metabolism, protein translation and induction of ribosomal stress  
Kubickova A, Maceckova Z, Vojta P, Ondra M, Volejnikova J, Koralkova P, Jungova A, Jahoda O, Mojzickova R, Hadacova I, Cermak J, Horvathova M, Pospisilova D, Hajduch M  
Blood Cells, Molecules and Diseases 2022;  
<https://doi.org/10.1016/j.bcmed.2022.102690> (IF=2.460)

26. Etiology and classification of acute pancreatitis in children admitted to ICU using the Pediatric Sequential Organ Failure Assessment (pSOFA) score  
Smolka V, Rohanova M, Seda M, Karaskova E, Tkachyk O, Zapalka M, Volejnikova J  
Hepatobiliary & Pancreatic Diseases International 2022;  
<https://doi.org/10.1016/j.hbpd.2022.06.018> (IF=2.428)

### **Monographs**

Thrombocytopenia in childhood

Ludikova B., Volejnikova J., Pospisilova D.

Palacky University Press, 2018, 1st Edition, 101 pages, ISBN 978-80-244-5477-1

### **Awards and Honors**

- European Hematology Association Travel Grant: 2008, 2009, 2011
- American Society of Hematology Abstract Achievement Award: 2008, 2009, 2010, 2019
- Czech Society of Hematology prize for the best original research article in the field of hematology of 2010: Mejsstriková E et al.: Prognosis of children with mixed phenotype acute leukemia treated on the basis of consistent immunophenotypic criteria. Haematologica 2010 (as co-author)
- 2011 - Scientific conference of the 2nd Faculty of Medicine: Vice-Deans Award
- Czech Society of Hematology Prize for the best original research article in the field of hematology of 2013 and Czech society for Analytical Cytology (CSAC) Prize for the best publication in the field of flow cytometry 2013: Slamova L et al.: CD2-positive B-cell precursor acute lymphoblastic leukemia with an early switch to the monocytic lineage. Leukemia 2013 (as co-author)
- 2018 – ESH/AA-MDS International Foundation Scholarship for early career scientists

### **Other**

2005 – 74 presentations/posters at conferences of pediatric hematooncology, hematology and pediatrics (including 37 international)

2007 – Principal investigator of grants GAUK 7393/2007, 363011, MH CZ-DRO FNOL 00098892 (twice); Co-investigator of grants IGA MZ NS10472-3, IGA MZ NT12397-4, NPU LO 1304, AZV 16-32105A, IGA\_LF\_2018\_043, MH CZ-DRO FNOL 00098892 (all successfully completed); Co-investigator of ongoing grants Project ENOCH (No.CZ.02.1.01/0.0/0.0/16\_019 /0000868) and MH CZ-DRO FNOL 00098892

Dec 2008 „Reflections on ASH - My First ASH“ for ASH News Daily

- Apr 2010 „Minimal Residual Disease and its Prognostic Impact on Pediatric ALL“ for MedReport Special Edition (Wiley-Blackwell publishing)
- 2010 – 2012 Regular participation at EuroMRD meetings and Quality Control
- 2010 – 2012 Associate Faculty Member of "Faculty 1000"
- 2011 – English-Czech translations of scientific texts for Medical Tribune publishing and Spevacek Translation
- 2018 – Reviewer of GAUK and AZV grants
- 2018 – 2019 Mentor of Student Scientific and Specialized Activity (SSSA) – Krestanova A, 5th year General Medicine: Hepcidin and anemia in childhood inflammatory bowel disease (IBD) – 3<sup>rd</sup> place at the Clinical Disciplines session
- 2019 – Mentor of Doctoral study programme – Velganova-Veghova M, MD: Predictive markers of celiac disease in children
- 2022 – Member of Evaluation Committee for SSSA at Palacky University Olomouc