

Prof. Marek Niedziela

Curriculum Vitae, Scientific achievements & Research output



1. Personal and family information

Born on September 27, 1962, Krotoszyn, Poland; Polish Citizen; Married (wife Izabela MD, PhD, specialist in ophthalmology); 2 children/daughters: Zuzanna – MD, European Board in Ophthalmology, 2019, PhD in genetic ophthalmology – in final step; Natalia – student of medicine, 1st year; Languages: Polish, English

Current affiliation and address:

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2. Education – institution and location degree

- Primary School, Zalesie Wielkie, 1969-1973 (*summa cum laude*)
- Primary School, Zalesie Małe, 1973-1977 (*summa cum laude*)
- Hugo Kołłątaj High School, Krotoszyn, 1977-1981 (*summa cum laude*)
- Poznan University of Medical Sciences (PUMS), 1981-1987; M.D. 1987 Medicine
- Poznan University of Medical Sciences, Children’s Hospital - 1st degree 1991 Pediatrics
- Poznan University of Medical Sciences, Department of Histology and Embryology - Ph.D. 1993 (with honours)
- Poznan University of Medical Sciences, Children’s Hospital - 2nd degree 1997 Pediatrics (with distinction)
- Poznan University of Medical Sciences - Habilitation 2003 Medicine, Pediatrics, Endocrinology (thyroid nodules)
- Poznan University of Medical Sciences - 2nd degree 2004 Endocrinology (with distinction)

Fellowships, scientific and clinical courses:

1988-2019 educational symposia/workshops, scientific conferences in Poland and abroad

1993 Postdoctoral fellowship, Dept Pathol / prof. M. Dietel/ and Dept Histology/Anatomy, Christian-Albrechts-Universitaet, Kiel, Germany (1 month)

1994-1995 Postdoctoral fellowship from the Konferenz der deutschen Akademien der Wissenschaften – Institut für Reproduktionsmedizin, UKM, Muenster, Germany, (prof. E. Nieschlag, dr A. Lerchl) (6 months)

1995 2nd EFES Postgraduate Clinical Endocrinology Course, University of Geneva, Switzerland

1996 Research and clinical training - Institut für Reproduktionsmedizin, UKM, Münster, Germany

1997 ESPE Winter School '97 in Pediatric Endocrinology (coordinator: prof. Ze-av Hochberg), Leszno near Warsaw, Poland

1997 LWPES fellowship (International scholar), Henry Silver Pediatric Endocrine and Growth Center, The Children's Hospital, (prof. M.S. Kappy), Barbara Davis Center for Diabetes (prof. G. Eisenbarth), Dept Endocrinol (prof. C. Ridgeway), Dept Prev Med Biometr – Epidemiol Unit (prof. M. Rewers), University of Colorado; Denver, USA, 1997 (2 months)

1998 5th EFES Postgraduate Endocrinology Course; Hillerod (Copenhagen), Denmark

1999 3rd EFES Postgraduate Molecular and Cellular Endocrinology Course, Muenster, Germany

2000 ESPE Short-term clinical fellowship - Charité Campus Virchow-Klinikum, Universitätsmedizin Berlin, Dept Paediatr Endocrinol (prof. A. Grueters-Kieslich), Berlin, Germany, 2000 (3 months)

1989-2019: 20 lectures at international conferences as invited speaker (15): ESE 4x, ESPE 2x, ETA 3x, ICE 1x, and oral presenter (5).

3. Positions and employment history

1988-1993 Assistant, Department of Histology and Embryology, PUMS (Head: Prof. A. Lukaszyk)

1988-1989 Postgraduate Medical Residency (Int Medicine, Pediatrics, Surgery, Obstetrics and Gynecology), PUMS

1989-1991 Fellow in Pediatrics (1st degree), Children’s Hospital, PUMS (Supervisor: Dr med. B. Burchardt)

1992-1997 Fellow in Pediatrics (2nd degree), Children’s Hospital, PUMS (Supervisor: Dr med. B. Burchardt, Prof. E. Korman)

1991-1996 Assistant, Pediatric Emergency Service, Poznan

1993-1995 Adjunct, Department of Histology and Embryology, PUMS

1995-2003 Adjunct, Department of Pediatric Endocrinology and Diabetes, Children’s Hospital, PUMS (Head: Prof. E. Korman)

1998-2004 Fellow in Endocrinology, Department of Pediatric Endocrinology and Diabetes, Children's Hospital, PUMS
2003-2004 Assistant Professor, Department of Pediatric Endocrinology and Diabetes, Children's Hospital, PUMS
2004-2010 Head of Department of Pediatric Endocrinology and Diabetes, Children's Hospital, PUMS
2005- Head of Molecular Endocrinology Laboratory (unit of Dept Ped Endocrinol)
2007-2012 Associate Professor, Poznan University of Medical Sciences Poland
2010- Head of Department of Pediatric Endocrinology and Rheumatology, Karol Jonscher's Children's Hospital, PUMS
2012- Full Professor Title
2014- University Distinguished Professor
2019 Visiting Professor at Department of Human Genetics (Prof. WD Foulkes), McGill University, Montreal, Canada (5 weeks)

4. Institutional responsibilities

2001-2009 Coordinator of the pediatric program for medical students (4- and 6-Year MD Program in English)
2003- Member of Medical Faculty I, PUMS, Poland
2004-2010 Head of Pediatric Endocrinology/Diabetology ward in Karol Jonscher's Children's Hospital, PUMS
2010- Head of Pediatric Endocrinology/Rheumatology ward in Karol Jonscher's Children's Hospital, PUMS

5. Approved research projects – see Research output for details

6. Supervision of junior researchers at graduate and postgraduate level (summary information, the names of the junior researchers should be indicated)

Completed 7 PhD dissertations as promoter:

- Wioletta Stacha: Chronic autoimmune thyroiditis in children – retrospective analysis of patients examined in the Department of Pediatric Endocrinology and Diabetology AM in Poznan in years 2000-2006 (20/06/2007)
- Sasha Bluvshsteyn-Walker: Long vs. short splice forms of FLIP in childhood thyroid nodular disease (17/06/2009)
- Adam Dudek: The clinical and biochemical analysis and search for deletion of mitochondrial DNA in children with growth hormone deficiency from Podkarpackie Province, ineffectively treated with recombinant GH (12/06/2012)
- Dominika Kaminiarczyk-Pyzalka: Proinflammatory factors in juvenile idiopathic arthritis (25/02/2014)
- Hanna Mikos: Proinflammatory, proapoptotic and antiapoptotic factors in the pathogenesis of autoimmune thyroid disease (11/06/2014)
- Karolina Adamczak: Proapoptotic and antiapoptotic agents in the juvenile idiopathic arthritis (16/06/2014)
- Zofia Kolesinska: Identification of the genetic background in 46,XY disorders of sex development (10.01.2018)

2 PhD dissertations in preparation:

- Maciej Flader: Graves's disease in children – treatment modalities and future outcome.
- Magdalena Banaszak-Ziemska: The role of PAPP-A2 in severe short stature

Tutor for medical students

- (presentations awarded several times at Congresses for Students and Young Doctors):
- 2008 First Prize in the session "Paediatrics" for M. Mikos, M. Niedziela;
- 2011 First Prize in the session "Case Report Session" for Z. Niedziela, M. Niedziela

7. Teaching activities (summary information)

- since 1995 teacher of pediatric endocrinology (classes/seminars with students of MD Program in Polish and English studying medicine at PUMS) - 300-350hrs/year in years; lectures on pediatric endocrinology since 2003. In years 1988-1995 teacher of histology & embryology at PUMS (classes with students of MD Program in Polish and English)
- Tutor in the Pan-African Fellowship Programme in Paediatric Endocrinology (PETCA), September 2008 /1 month/ and July 2011 /2 weeks/, *Nairobi, Kenya* (Program under auspices of the ESPE).
- Host for the ESPE clinical fellows (Jerome Elusiyan - Nigeria, Bashir Elnaem Ali - Sudan)
- Coordinator of the pediatric program for medical students (4- and 6-Year MD Program in English) 2001-2009
- Several lectures per year given at educational symposia/conferences, residency courses in Poland
- Lectures for clinicians and residents given at McGill University in Montreal in frame of visiting professorship 208

8. Memberships in panels, boards, etc., and individual scientific reviewing activities

- **COST Action BM1105** (Chair: Prof. Nelly Pitteloud) GnRH deficiency: Elucidation of the neuroendocrine control of human reproduction 2012-2016; European Collaboration in Science & Technology (COST); Committee member representing Poland

- **COST Action BM1303** (Chair: Prof. Olaf Hiort) Systematic Elucidation on Differences of Sex Development 2013-2017; European Collaboration in Science & Technology (COST); Committee member representing Poland
- Reviewer in scientific journals (JCEM, J Pediatrics, Clin Endocrinol, Clin Genet, Exp Clin Endocrinol Diabetes, J Pediatr Endocrinol Metab, Hormones, Frontiers Pediatr, Frontiers Endocrinol (*Review Editor and Guest Editor*), Int J Endocrinol, Hormone Res Paediatrics, Scientific Reports, Eur J Endocrinol, Thyroid Res, Eur Thyr J, Human Immunology, Eur J Med Genetics, Autoimmunity, Endocrine, Thyroid, , Frontiers in Bioscience (*Managing Editor*), Gynecol Oncol, It J Paediatr, Endokrynologia Polska, J Endocrinol Invest, Indian J Med Sci, Expert Review Clin Immunol, Expert Review Endocrinol Metab)
- Reviewer of abstracts submitted to Annual Meetings of ESPE, ETA and ECE, and conferences in Poland

9. Active memberships in scientific societies, fellowships in renowned academies

- 2010- Member of the *ESE ENDO IESP* (International Endocrine Scholar Programme) *Selection Committee* of the Endocrine Society and European Society of Endocrinology
- 2011-2017 Member of the ESPE Clinical Fellowship Committee
- POC Member of the ECE 2011 (Rotterdam), 2015 (Dublin) and 2018 (Barcelona)
- 2017 ATA Faculty Member (ATA Pediatric Thyroid Forum), Victoria, BC, Canada
- 2017- ESPE Science Committee member (Early-Career Scientific Grant Convenor)
- 2018 Visiting professor at the McGill University, Montreal, Canada (5 weeks)
- 2020-2023 Member of the ETA Guidelines and Publications Board
- Invited speaker to annual polish educational and scientific symposia/conferences for endocrinologists, fellows in endocrinology, pediatricians, primary care physicians.
- Member of several scientific and professional committees in Poland (e.g. PTEiDD, PTE, PTT, National Examination Board for Pediatrics, Endocrinology) and international societies (ESPE, ESE, ETA)

10. Organization of conferences

- 1 Poznańskie Spotkanie z endokrynologią dziecięcą, Zaburzenia wzrastania Poznań, 2009;
- 2 Poznańskie Spotkanie z Endokrynologią Dziecięcą, Aktualne problemy endokrynologii dziecięcej. Konferencja z okazji Jubileuszu 80. urodzin nestorów polskiej endokrynologii dziecięcej Prof. Eugeniusza Kormana oraz Prof. Tomasza E. Romera, Poznań, 2014;
- Host of the DSDnet Meeting, Poznan, 2015, COST Action BM1303 (Chair: Prof. Olaf Hiort) Systematic Elucidation on Differences of Sex Development 2013-2017.

11. Prizes, awards, fellowships

- 1997 Lawson Wilkins Pediatric Endocrine Society Award 1997
- 1997 ESPE Summer School Award 1997 (awarded at the ESPE Winter School 1997)
- 2000 ESPE Short-term Clinical Fellowship Award 2000
- 2000, 2003 **Team Award of the Minister of Health**
- 2002 The Memorable Medal of the University - Karol Marcinkowski Medal - 30th Anniversary of the Institute of Pediatrics
- 2003, 2004, 2005 and 2006 Award of Excellence for Department of Pediatrics given by The Graduating Class of 2006 of European Program (M. Niedziela - coordinator of the pediatric course)
- 2003, 2005, 2017, 2019 **Tomasz E Romer Award** of the Polish Society of Pediatric Endocrinologists
- 2003, 2014, 2016, 2017, 2018, 2019 Team Scientific Rector Award
- 2006, 2008 Award of Excellence for Dr hab. med. Marek Niedziela – in recognition of the commitment to teaching and sharing the expertise in the field of Pediatrics given by The Graduating Class of 4-year Medical Program in English
- 2007, 2008, 2009, 2011, 2012 Individual Scientific Rector Award (2012 – for teaching)
- 2009 Award for Innovative Excellence in Teaching, Learning and Technology during the awards ceremony held as a part of the 20th International Conference on College Teaching and Learning in Jacksonville, Florida, USA on April 15, 2009.
- 2011, 2013 **Individual Scientific Award of the Minister of Health** (2nd grade and 1st grade, respectively)
- 2015 Scientific Special Rector Award (the highest IF in clinical medicine on the Faculty)

Research achievements

Prof. Niedziela significantly contributed to several topics in pediatric endocrinology but particularly in the diagnostic workup and management with thyroid nodules/cancer in children. Paper [M. Niedziela. Pathogenesis, diagnosis and management of thyroid nodules in children. *Endocrine-Related Cancer* 2006, 13, 427-453 (IF 4.763 is cited in Medical Guidelines for Clinical Practice for the Diagnosis and Management of Thyroid Nodules”, published in 3 journals: Hot

Thyroidology 2010, J Endocrinol Invest 2010, Endocrine Practice 2010). It was also cited in Brook's Clinical Pediatric Endocrinology, 6th Edition Charles G. D. Brook (Editor), Peter Clayton (Editor), Rosalind Brown (Editor) ISBN: 978-1-4051-8080-1, July 2009, Wiley-Blackwell, chapter Endocrine Neoplasia in Childhood (Joanne C. Blair) and also in European books such as Thyroid Gland Development and Function, Guy Van Vliet and Michael Polak (eds), in chapter Thyroid Imaging in Children (Garel C & Leger J). Endocr Dev. Basel, Karger 2007, vol 10, pp 43-61 or Thyroid Cancer: Papillary Cancer Special Aspects in Children 2006, Part IV, Chapter 41, pp 377-385, Andrew J. Bauer and Merrily Poth, and also in Latin American Thyroid Society recommendations for the management of thyroid nodules, Rosalinda Camargo et al. Arq Bras Endocrinol Metab [online]. 2009, vol.53, n.9 [cited 2011-01-18], pp. 1167-1175. Since June 2006 it was the most frequently read article in the journal for 3 years.

Paper "Thyroid nodules" (Niedziela M) as a part of Paediatric Thyroid Disease – Update 2013 - Special Issue - has been published in Best Practice and Research Clinical Endocrinology and Metabolism 2014: 28(2): 245-277) (IF 4.912) and is a continuum of his important world leading role in this field.

Two papers, "Virilizing ovarian tumor in a 14-year-old female with a prior familial multinodular goiter". Niedziela M. Pediatric Blood & Cancer 2008, 51(4): 543-545. IF=2.394) and "DICER1 mutations in familial multinodular goiter with and without ovarian Sertoli-Leydig cell tumors". Rio Frio T, Bahubeshi A, Kanellopoulou C, Hamel N, Niedziela M, Sabbaghian N, Pouchet C, Gilbert L, O'Brien PK, Serfas K, Broderick P, Houlston RS, Lesueur F, Bonora E, Muljo S, Schimke RN, Bouron-Dal Soglio D, Arseneau J, Schultz KA, Priest JR, Nguyen VH, Harach HR, Livingston DM, Foulkes WD, Tischkowitz M. JAMA. 2011 Jan 5;305(1):68-77) showed a new light on the pathogenesis of familial multinodular goiter coexisting with/or without Sertoli-Leydig cell Tumor via dysregulation of miRNA formation. Moreover, the first DICER1 deletion was also described in a polish patient with MNG/SLCT (N. Sabbaghian, A. Srivastava, N. Hamel, F. Plourde, M. Gajtko-Metera, M. Niedziela, W.D. Foulkes. Germ-line deletion in DICER1 revealed by a novel MLPA assay using synthetic oligonucleotides. Eur J Hum Genet. 2014: 22, 4, 564-567.).

During the ESPE meeting 2019 he presented new insights into the recognition of DICER1 syndrome based on thyroid ultrasound pattern (*manuscript submitted*). He is world-recognize person in the field of thyroid nodules and therefore gave several invited talks on conferences. He is the first author Polish guidelines for diagnosis and management in thyroid nodules and cancer. He also contributed as pediatric endocrinologist in Polish guidelines for diagnosis and management in thyroid diseases related to pregnancy.

Prof. Niedziela collaborates with several researchers in Europe and Canada on different genetic disorders - see publications in Research output.

Moreover, in his lab he is working on the genetic background of rare disorders such as Kearns-Sayre's Syndrome (del mtDNA), 3A Syndrome (AAA), adrenal hypoplasia congenita [*DAX1 (NROB1)*], short stature (*IGF1R, FGFR3, PAPP-A2*), Rabson-Mendenhall syndrome (severe insulin resistency, *INSR*), hypophosphatemic rickets (*FGF23* and *PHEX*) or glucocorticoid receptor (GCR).

Several articles have also been published in the last few years on the role of pro- and antiapoptotic factors in autoimmune disorders such as chronic autoimmune thyroiditis, Graves' disease and juvenile idiopathic arthritis. In the latter disorder he proposed a concept of selective cytokine-targeted indications for biological treatment (against TNF alfa or IL-6 or IL-1beta).

Research output of Prof. Marek Niedziela /DEC 2019/ OrcID: [0000-0001-8862-6937](https://orcid.org/0000-0001-8862-6937)

Web of science: **103** entries, H-index: **16**, total citations - 1034 (10.04 per item); **994** citations - *without self-citations*, **9.65** per item; Google Scholar: **203** entries, H-index **22** (19 since 2014), i10-index **37** (29 since 2014), total citations - **1959** (1361 since 2014), **9.65** per item; RG=**35.81**; total citations **1332**; Total Impact Factor = **197.733**;
Publication List accessible at: <https://www.ncbi.nlm.nih.gov/pubmed/?term=Niedziela+Marek>

1. Publications in international peer-reviewed scientific journals and selected papers in national journals

- Niedziela M**, Lerchl A, Nieschlag E. Direct effects of the pineal hormone melatonin on testosterone synthesis of Leydig cells in Djungarian hamsters (*Phodopus sungorus*) *in vitro*. Neurosci Lett 1995;201(3):247-250 **IF=2.318**
- Niedziela M**, Lerchl A. Isolation method of Leydig cells from mature male Djungarian hamsters (*Phodopus sungorus*) and their steroidogenic activity *in vitro*. Andrologia 1999;31:157-161 **IF=0.982**
- Niedziela M**, Korman E. Severe hypothyroidism due to autoimmune atrophic thyroiditis - predicted target height and a plausible mechanism for sexual precocity. J Pediatr Endocrinol Metab 2001;14(7):901-907 **IF=0.954**
- Niedziela M**, Korman E. *Niepalpacyjne guzki tarczycy* - kontrowersje diagnostyczno-terapeutyczne u dzieci (*Nonpalpable thyroid nodules – diagnostic and therapeutic controversies*). Padiatria Polska 2001;LXXVI;6:449-454.

5. Ignacak M, **Niedziela M**, Trzeciak WH. Transition C2754T in the AR gene, resulting in generation of a termination codon and truncated form of the androgen receptor, causes complete androgen insensitivity syndrome. *J Appl Genet* 2002, 43(1): 109-114.
6. **Niedziela M**, Korman E. Thyroid carcinoma in a fourteen-year-old boy with Graves' disease. *Med Pediatr Oncol* 2002, 38(4): 290-291 **IF=1.216**
7. **Niedziela M**, Breborowicz D, Trejster E, Korman E. Hot nodules in children and adolescents in western Poland from 1996 to 2000: clinical analysis of 31 patients. *J Pediatr Endocrinol Metab* 2002;15(6):823-830 **IF=1.146**
8. **Niedziela M**, Maceluch J, Korman E. Galectin-3 is not an universal marker of malignancy in thyroid nodular disease in children and adolescents. *J Clin Endocrinol Metab* 2002;87(9):4411-4415 **IF=5.199**
9. **Niedziela M**, Korman E, Maceluch J. Letter to the Editor: *Authors' response: Methodological Considerations Regarding the Use of Galectin-3 Expression Analysis in Preoperative Evaluation of Thyroid Nodules*. *J Clin Endocrinol Metab* 2003;88(2):950-951.
10. Breborowicz A, **Niedziela M**. Niewydolność nadnerczy w trakcie leczenia wziewnymi glikokortykosteroidami - rzeczywiste czy domniemane zagrożenie? (*Adrenal insufficiency during inhaled corticosteroid treatment – a mit or real danger?*) *Alergia, Astma Immunologia* 2003;8(4):153-156.
11. **Niedziela M**. Rodzinne występowanie raka tarczycy (*Familial thyroid carcinoma*). *Endokrynologia Pediatr* 2003;2,1(2):61-68.
12. **Niedziela M**. Rola peroksydazy tarczycowej w fizjologii i patologii gruczołu tarczowego (*The role of thyroid peroxidase in thyroid physiology and pathology*). *Endokrynologia Polska* 2003;4(54):444-450.
13. **Niedziela M**. Czy łagodna choroba tarczycy predysponuje do rozwoju raka tarczycy? (*Does a benign thyroid disease predispose to the development of thyroid carcinoma?*) *Endokrynologia Pediatryczna* 2003;3(4):65-70.
14. **Niedziela M**, Korman E, Breborowicz D, Trejster E, Harasymczuk J, Warzywoda M, Rolski M, Breborowicz J. A prospective study of thyroid nodular disease in children and adolescents in western Poland from 1996 to 2000 and the incidence of thyroid carcinoma relative to the iodine deficiency and the Chernobyl disaster. *Pediatr Blood Cancer* 2004;42:84-93 **IF=1.362**
15. **Niedziela M**, Breborowicz D, Kulinska-Niedziela I, Breborowicz J, Maceluch J, Korman E. Rak rdzeniasty tarczycy u dzieci (*Medullary thyroid carcinoma in children*). *Współczesna Onkologia (Contemporary Oncology)* 2005; 9(4):161-165.
16. Gawrysiak W, **Niedziela M**. Ostre zapalenie tarczycy – dynamika zmian ultrasonograficznych w przebiegu choroby (*Suppurative thyroiditis – the dynamics of ultrasonographic lesions in the course of the disease*). *Endokrynologia Pediatr* 2005;4(2):65-69.
17. **Niedziela M**. Autoimmunologiczne zespoły wielogruzołowe – od badań naukowych do zastosowań klinicznych (*Autoimmune polyglandular syndromes – from scientific research to clinical applications*). *Endokrynologia Pediatr* 2005;4(2):55-63.
18. Kaczorowska M, Andrzejewska M, Baczyk I, **Niedziela M**, Szczepanski M, Ponichtera J. Występowanie celiakii u dzieci z autoimmunologiczną chorobą tarczycy (*The incidence of coeliac disease in children with autoimmune thyroid disease*). *Pediatrics Współczesna. Gastroenterologia, Hepatologia i Żywnienie Dziecka (Gastroenterology, Hepatology and Nutrition)* 2006;8(4):222-227.
19. Breborowicz A, **Niedziela M**. Adrenal Function in Children with Severe Asthma Treated with High-Dose Inhaled Glucocorticoids: *the recommended screening tests in out-patient conditions*. *J Ped Endocrinol Metab* 2007;20(7):781-789 **IF=0.858**
20. **Niedziela M**. Virilizing ovarian tumor in a 14-year-old girl with a prior subtotal thyroidectomy due to familial multinodular goiter. *Pediatr Blood Cancer* 2008;51(4):543-545 **IF=2.394**
21. Obara-Moszyńska M, Kedzia A, Korman E, **Niedziela M**. Usefulness of GH stimulation tests and IGF-1 concentration measurement in growth hormone deficiency diagnosis. *J Ped Endocrinol Metab* 2008;21:569-579 **IF=0.938**
22. Bossowski A, Czarnocka B, Bardadin K, Urban M, **Niedziela M**, Dadan J. Expression of proteins regulating apoptosis in thyrocytes from young patients with thyroid disorders. *Hormone Res* 2008;70:155-164 **IF=2.285**
23. Szroniak A, Labeledzka I, Breborowicz A, **Niedziela M**. „Czy istnieje zależność między wartością BMI a astmą u dzieci?” (*Is body mass index associated with asthma in children?*) *Pneumonologia i Alergologia Polska* 2008;76(2):88-95.
24. Czaplą Z, **Niedziela M**, Cieślík J. Assessment of physical growth in children with congenital adrenal hyperplasia (CAH). *Pol J Environ Stud* 2008;17(4A):82-88.
25. Rutkowska-Sak L, Tuszkiewicz-Misztal E, Brozik H, **Niedziela M**, Zuber Z, Tlustochowicz W, Wiland P. Stanowisko Zespołu Ekspertów ds. Reumatologii Dziecięcej przy Konsultancie Krajowym w Dziedzinie Reumatologii dotyczące terapii biologicznej w leczeniu młodzieńczego idiopatycznego zapalenia stawów. *Reumatologia* 2009;47(3):111-115.
26. M. Ruchala, E. Szczepanek, W. Szaflarski, J. Moczko, A. Czarnywojtek, L. Pietz, M. Nowicki, M. Niedziela, M. Zabel, J. Köhrle, J. Sowinski. Increased risk of thyroid pathology in patients with thyroid hemiagenesis: results of a large cohort case-control study. *Eur J Endocrinol* 2010;162(1):153-160 **IF=3.791**
27. **Niedziela M**, Sippell W. Growth impairment in a boy with congenital adrenal hyperplasia (late-onset) due to anorexia nervosa and a prior LHRH-dependent precocious puberty. *Exp Clin Endocrinol Diabetes* 2010;118(3):180-183 **IF=1.685**
28. Welzel M, Schwarz H-P, Hedderich J, Dörr HG, Binder G, Brämswig JH, Krude H, Richter-Unruh A, **Niedziela M**, Gromoll J, Krone N, Riepe FG, and Holterhus P-M. No Correlation between Androgen Receptor CAG and GGN Repeat Length and the

- Degree of Genital Virilization in Females with 21-Hydroxylase Deficiency. *J Clin Endocrinol Metab* 2010;95(5):2443-50 **IF=6.202**
29. Rio Frio T, Bahubeshi A, Kanellopoulou C, Hamel N, **Niedziela M**, Pouchet C, Gilbert L, O'Brien PK, Serfas K, Broderick P, Lesueur F, Bonora E, Muljo S, Schimke RN, Bouron-Dal Soglio D, Arseneau J, Schultz KA, Priest JR, Nguyen V-H, Harach HR, Livingston DM, Foulkes WD, Tischkowitz M. *DICER1* mutations in familial multinodular goiter with and without ovarian Sertoli-Leydig cell tumors. *JAMA* 2011;305(1):68-77 **IF=30.026**
 30. Szczepanek E, Ruchala M, Szaflarski W, Budny B, Kilinska L, Jaroniec M, **Niedziela M**, Zabel M, Sowinski J. FOXE1 Polyalanine Tract Length Polymorphism in Patients with Thyroid Hemiagenesis and Subjects with Normal Thyroid. *Horm Res Paediatr* 2011;75(5):329-34 **IF=2.044**
 31. **Niedziela M**. The usefulness of ultrasound in follow-up of the patient with dysmorphogenetic congenital hypothyroidism. *J Ped Endocrinol Metab* 2011;24(7-8):549-50 **IF=0.887**
 32. Harasymczuk J, Kaminiarczyk-Pyzalka D, Krawczynski M, **Niedziela M**, Wasko R, Czarnywojtek A, Jankowski A. Transverse testicular ectopia with abnormal karyotype - a case report. *Neuroendocrinol Lett.* 2011;32(4):408-10 **IF=1.621**
 33. Obara-Moszynska M, Perek D, Mikos H, **Niedziela M**. Diabetes insipidus coexisting with sellar-suprasellar tumour – case report. *Wspolczesna Onkol (Contemporary Oncology)* 2011;15 (6):397–400 **IF=0.104**
 34. **Niedziela M**, Bluvshhteyn-Walker S. Autoimmune thyroid disease and allergic contact dermatitis: two immune-related pathologies in the same patient. *J Ped Endocrinol Metab* 2012;25(1-2):31-32 **IF=0.887**
 35. Rojek A, Obara-Moszynska M, Malecka E, Slomko-Jozwiak M, **Niedziela M**. NROB1 (DAX1) mutations in patients affected by congenital adrenal hypoplasia with growth hormone deficiency as a new finding. *J Appl Genet* 2013;54(2):225-30 **IF=1.664**
 36. Obara-Moszynska M, Maceluch J, Bobkowski W, Baszko A, Jaremba O, Krawczynski MR, **Niedziela M**. A novel mitochondrial DNA deletion in a patient with Kearns-Sayre syndrome: a late-onset of the fatal cardiac conduction deficit and cardiomyopathy accompanying long-term rGH treatment. *BMC Pediatr* 2013;13(27):1-9 **IF=1.982**
 37. Miraoui H, Dwyer AA, Sykiotis GP, Plummer L, Chung W, Feng B, Beenken A, Clarke J, Pers TH, Dworzynski P, Keefe K, **Niedziela M**, Raivio T, Crowley Jr WF, Seminara SB, Quinton R, Hughes VA, Kumanov P, Young J, Yialamas MA, Hall JE, Van Vliet G, Chanoine JP, Rubenstein J, Mohammadi M, Tsai P-S, Sidis Y, Lage K and Pitteloud N. Genetic screening of the FGF8 synexpression group identifies mutations in FGF17, IL17RD, DUSP6, SPRY4 and FLRT3 in individuals with Congenital Hypogonadotropic Hypogonadism. *Am J Hum Genet* 2013;92(5):725-743 **IF=11.202**
 38. Kolesinska Z, Siuda K, Bobkowski W, **Niedziela M**. Amiodarone induced thyrotoxicosis with paroxysmal supraventricular (ectopic atrial) tachycardia: case report and review of the literature. *Arch Med Sci* 2013;9(2):372-376 **IF=1.067**
 39. Rojek A, **Niedziela M**. Adrenal function and MC1R gene analysis in a prepubertal girl with generalized hyperpigmentation: Case Report. *Archives of Medical Science* 2013;9(4):761-764 **IF=1.067**
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 41. M Obara-Moszynska, W Wielanowska, A Rojek, D Wolnik-Brzozowska, **M Niedziela**. Treatment of cartilage-hair hypoplasia with recombinant human growth hormone. *Pediatr Int* 2013;55(6):e162-e164 **IF=0.731**
 42. T Diana, RS Brown, A Bossowski, M Segni, **M Niedziela**, J König, A Bossowska, K Ziora, A Hale, J Smith, S Pitz, M Kanitz, GJ Kahaly. Clinical relevance of thyroid-stimulating autoantibodies in pediatric Graves' disease - a multicenter study. *J Clin Endocrinol Metab* 2014;99(5):1648-1655 **IF=6.209**
 43. H Mikos, M Mikos, B Rabska-Pietrzak, **M Niedziela**. The clinical role of serum concentrations of selected cytokines: IL-1 β , TNF- α and IL-6 in diagnosis of autoimmune thyroid disease (AITD) in children. *Autoimmunity* 2014;47(7):466-472 **IF=2.714**
 44. D Kaminiarczyk-Pyzalka, K Adamczak, H Mikos, I Klimecka, J Moczko, **M Niedziela**. Serum TNF- α levels and indicators of disease activity in children with oligoarticular juvenile idiopathic arthritis (oJIA) in the first year of the disease. *Clin Lab* 2014; 60(5):799-807 **IF=1.129**
 45. A Rojek, M Flader, E Malecka, **M Niedziela**. A novel mutation in the NROB1 (DAX1) gene in a large family with two boys affected by congenital adrenal hypoplasia. *Hormones (Athens)* 2014; 13(3):413-419 **IF=1.198**
 46. D Kaminiarczyk-Pyzalka, K Adamczak, H s, I Klimecka, J Moczko, **M Niedziela**. Proinflammatory cytokines in monitoring the course of disease and effectiveness of treatment with etanercept (ETN) of children with oligo- and polyarticular juvenile idiopathic arthritis (JIA). *Clin Lab* 2014;60(9):1481-1490 **IF=1.129**
 47. Z Kolesinska, SF Ahmed, **M Niedziela**, J Bryce, M Molinska-Glura, M Rodie, J Jiang, RO Sinnott, IA. Hughes, F Darendeliler, O Hiort, Y van der Zwan, M Cools, T Guran, P-M Holterhus, S Bertelloni, L Lisa, W Arlt, N Krone, M Ellaithi, A Balsamo, I Mazen, A Nordenstrom, K Lachlan, M Alkhawari, P Chatelain, N Weintrob. Changes over time in sex assignment for disorders of sex development. *Pediatrics* 2014;134(3):e710-e715 **IF=5.473**
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50. L de Kock, T Boshari, F Martinelli, E Wojcik, **M Niedziela**, WD Foulkes. Adult-onset cervical embryonal rhabdomyosarcoma and *DICER1* mutations. *J Low Genit Tract Dis* 2016;20(1):e8-e10 **IF=1.936**
51. A Jamsheer, EM Olech, K Kozłowski, **M Niedziela**, A Sowinska-Seidler, M Obara-Moszynska, A Latos-Bielenska, Marek Karczewski, Tomasz Zemojtel. Exome sequencing reveals two novel compound heterozygous *XYLT1* mutations in a Polish patient with Desbuquois dysplasia type 2 and growth hormone deficiency. *J Hum Genet* 2016;61(7):577-583 **IF=2.487**
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55. S Poyrazoglu, F Darendeliler, SF Ahmed, J Bryce, J Jiang, M Rodie, O Hiort, SE Hannema, S Bertelloni, L Lisa, T Guran, I Hughes, M Cools, P Chatelain, HL Claahsenvan der Grinten, A Nordenstrom, P-M Holterhus, B Köhler, **M Niedziela**, N Krone. Birth weight in different etiologies of disorders of sex development. *J Clin Endocrinol Metab* 2017;102(3):1044-1050 **IF=5.789**
56. H Mikoś, M Mikoś, **M Niedziela**. Diagnostic significance of serum concentrations of soluble Fas ligand (sFasL) in children with autoimmune thyroid disease. *Autoimmunity* 2017;50(3):192-198 **IF=2.648**
57. E Misterska, D Kaminiarczyk-Pyzalka, K Adamczak, KA Adamczyk, **M Niedziela**, M Głowacki, J Głowacki. Mental health and adjustment to juvenile idiopathic arthritis: Level of agreement between parent and adolescent reports according to Strengths and Difficulties Questionnaire and Adolescent Outcomes Questionnaire. *PLoS ONE* 2017;12(4):e0176794 **IF=2.766**
58. B Budny, E Szczepanek-Parulska, T Zemojtel, W Szaflarski, M Rydzanicz, J Wesoly, L Handschuh, K Wolinski, K Piatek, **M Niedziela**, K Ziemnicka, M Figlerowicz, M Zabel, M Ruchala. Mutations in proteasome-related genes are associated with thyroid hemiagenesis. *Endocrine* 2017;56(2):279-285 **IF=3.179**
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60. A Rojek, M Obara-Moszynska, Z Kolesińska, B Rabska-Pietrzak, **M Niedziela**. Molecular detection and incidence of Y chromosomal material in patients with Turner syndrome. *Sex Dev* 2017;11(5-6):254-261 **IF=1.913**
61. E Misterska, K Adamczak, D Kaminiarczyk-Pyzalka, K Adamczyk, J Głowacki, **M Niedziela**, M Głowacki. The pediatric outcomes data collection instrument for a Polish sample with juvenile idiopathic arthritis: psychometric properties of proxy version. *Int J Rheum Dis* 2017;20(1):2077-2085 **IF=2.423**
62. D Zalas, T Reinehr, **M Niedziela**, C Borzikowsky, M Flader, G Simic-Schleicher, HI Akkurt, S Heger, N Hornig, P-M Holterhus, A E. Kulle. Multiples of median-transformed, normalized reference ranges of steroid profiling data independent of age, sex, and units. *Horm Res Paediatr* 2018;89(4):255-264 **IF=2.324**
63. Obara-Moszynska M, Rajewska-Tabor J, Rozmiarek S, Karmelita-Katulska K, Kociemba A, Rabska-Pietrzak B, Janus M, Siniawski A, Mrozinski B, Graczyk-Szuster A, **Niedziela M**, Pyda M. The Usefulness of Magnetic Resonance Imaging of the Cardiovascular System in the Diagnostic Work-Up of Patients With Turner Syndrome. *Front Endocrinol (Lausanne)*. 2018 Oct 16;9:609. doi: 10.3389/fendo.2018.00609. eCollection 2018 **IF=3.634**
64. Z Kolesinska, J Acierno, SF Ahmed, C Xu, K Kapczuk, A Skorczyk-Werner, H Mikos, A Rojek, A Massouras, M Krawczyński, N Pitteloud, **M Niedziela**. Integrating clinical and genetic approaches in the diagnosis of 46,XY disorder of sex development. *Endocr Connect* 2018;7(12):1480-1490 **IF=2.474**
65. D Chlebna-Sokol, J Konstantynowicz, P Abramowicz, B Kulik-Rechberger, **M Niedziela**, A Obuchowicz, K Ziora, J Karalus-Gach, J Golec, I Michalus, E Karczmarewicz, ZP Halaba . Evidence of a significant vitamin D deficiency among 9-13-year-old Polish children: results of a multicentre study. *Eur J Nutr* 2019;58(5):2029-2036 **IF=4.449**
66. K van der Tuin, L de Kock, EJ. Kamping, SE. Hannema, M-JM. Pouwels, **M Niedziela**, T van Wezel, FJ. Hes, MC. Jongmans, WD. Foulkes, H Morreau. Clinical and molecular characteristics may alter treatment strategies of thyroid malignancies in *DICER1* syndrome. *J Clin Endocrinol Metab* 2019;104(2):277-284 **IF=5.605**

2. Peer-reviewed Summary (Review) Articles

1. **Niedziela M.** Pathogenesis, diagnosis and management of thyroid nodules in children. *Endocr Relat Cancer* 2006;13:427-453 **IF=4.763**
2. Maceluch J, **Niedziela M.** The clinical diagnosis and molecular genetics of Kearns-Sayre syndrome: a complex mitochondrial encephalomyopathy. *Pediatr Endocrinol Rev* 2006-2007;4(2):117-37.
3. **Niedziela M.** Subclinical hypothyroidism – dilemmas in the treatment of children (Opinion). *J Endocrinol Invest* 2007;30(6):529-531 **IF=2.021**
4. Rojek A, **Niedziela M.** Insulin receptor and its relationship with different forms of insulin resistance. *Adv Cell Biol* 2010;2(1):58-89.
5. H Mikos, M Mikos, M Obara-Moszynska, **M Niedziela.** The role of the immune system and cytokines involved in the pathogenesis of autoimmune thyroid disease (AITD). *Endokr Pol* 2014;65(2):150-155 **IF=0.993**
6. Kaminiarczyk D, Adamczak K, **Niedziela M.** Czynniki prozapalne u dzieci z młodzieńczym idiopatycznym zapaleniem stawów. *Reumatologia* 2010;48(1):62-65.
7. Adamczak K, Kaminiarczyk D, **Niedziela M.** Rola RANKL, osteoprotegeryny i TRAIL w monitorowaniu zaburzeń kostnych w młodzieńczym idiopatycznym zapaleniu stawów. *Pediatr Pol* 2010;85(4):384-387.
8. Polska Grupa do spraw Nowotworów Endokrynnych. Red.: Jarzab B, Sporny S, Lange D, Wloch J, Lewinski A. Wspolaut.: [m.in.] Lacka K, **Niedziela M**, Sowinski J. Diagnostyka i leczenie raka tarczycy - rekomendacje polskie. [*Diagnosis and treatment of thyroid cancer - Polish guidelines*]. *Endokr Pol* 2010;61(5):518-568.
9. Siuda K, Kolesińska Z, **Niedziela M.** Amiodaron a funkcja tarczycy (*Amiodarone and thyroid function*). *Kardiol Pol* 2011;69(5):283–310 **IF=0.523**
10. Hubalewska-Dydejczyk A, Lewiński A, Milewicz A, Radowski S, Poręba R, Karbownik-Lewińska M, Kostecka-Matyja M, Trofimiuk-Müldner M, Pach D, Zygmunt A, Bandurska-Stankiewicz E, Bar-Andziak E, Bednarczuk T, Buziak-Bereza M, Drews K, Gietka-Czernel M, Górska M, Jastrzębska H, Junik R, Nauman J, **Niedziela M**, Reroń A, Sworczak K, Syrenicz A, Zgliczyński W. [*Management of thyroid diseases during pregnancy*]. *Endokrynol Pol* 2011;62(4):362-81. Polish **IF 1.239**
11. Paschke R, **Niedziela M**, Vaidya B, Persani L, Rapoport B, Leclere J. 2012 European Thyroid Association *Guidelines for the Management of Familial and Persistent Sporadic Non-Autoimmune Hyperthyroidism Caused by Thyroid-Stimulating Hormone Receptor Germline Mutations*. *Eur Thyroid J* 2012;1:142–147.
12. **M Niedziela.** Thyroid nodules. *Best Pract Res Clin Endocrinol Metab* 2014;28(2):245-277 (**IF=4.912**).
13. B Jarzab, M Dedecjus, D Handkiewicz-Junak, D Lange, A Lewinski, A Nasierowska-Guttmejer, M Ruchala, D Słowinska-Klencka, J Nauman. Co-authors: Z Adamczewski, M Baglaj, A Baldys-Waligorska, M Barczynski, T Bednarczuk, A Cichocki, A Czarniecka, R Czepczynski, A Gawlik, A Hubalewska-Dydejczyk, K Jazdzewski, G Kaminski, M Karbownik-Lewinska, B Kos-Kudla, A Kulakowski, K Kuzdak, K Lacka, E Malecka-Tendera, **M Niedziela**, L Pomorski, S Sporny, Z Stojcev, A Syrenicz, J Wloch, J Krajewska, S Szpak-Ulczo, M Kalemba, M Buziak-Bereza, M Janicka-Jedynska, A Woźniak. *Diagnostics and treatment of thyroid carcinoma*. *Endokr Pol* 2016;67(1):74-107. j. pol. 108-145 **IF=1.112**
14. **M. Niedziela**, D Handkiewicz-Junak, E Malecka-Tendera, A Czarniecka, M Dedecjus, D Lange, A Kucharska, A Gawlik, L Pomorski, J Wloch, M Baglaj, D Słowinska-Klencka, S Sporny, P Kurzawa, A Kropinska, J Krajewska, R Czepczynski, M Ruchala, A Lewinski, B Jarzab. *Diagnostics and treatment of differentiated thyroid carcinoma in children - Guidelines of Polish National Societies*. *Endokrynol Pol.* 2016;67(6):628-642 **IF=1.112**
15. C Badiu, M Bonomi, I Borshchevsky, M Cools, M Craen, C Ghervan, M Hauschild, E Hershkovitz, E Hrabovszky, A Juul, S-H Kim, P Kumanov, B Lecumberri, MC Lemos, V Neocleous, **M Niedziela**, S Pekic Djurdjevic, L Persani, F Phan-Hug, D Pignatelli, N Pitteloud, V Popovic, R Quinton, N Skordis, N Smith, M Avbelj Stefaniya, C Xu, J Young, AA Dwyer. *Developing and evaluating rare disease educational materials co-created by expert clinicians and patients: the paradigm of congenital hypogonadotropic hypogonadism*. *Orphanet J. Rare Dis.* 2017: Vol. 12, art. ID 57 [s. 1-9] **IF=3.607**
16. M Banaszak-Ziemska, **M Niedziela.** PAPP-A2 a new key regulator of growth. *Endokrynol Pol* 2017;68(6):682-691 **IF=1.341**
17. B Jarzab, M Dedecjus, D Słowinska-Klencka, A Lewinski, Z Adamczewski, R Anielski, M Baglaj, A Baldys-Waligorska, M Barczynski, T Bednarczuk, A Bossowski, M Buziak-Bereza, E Chmielik, A Cichocki, A Czarniecka, R Czepczynski, J Dzieciol, T Gawlik, D Handkiewicz-Junak, K Hasse-Lazar, A Hubalewska-Dydejczyk, K Jazdzewski, B Jurecka-Lubieniecka, M Kalemba, H Kaminski, M Karbownik-Lewinska, M Klencki, B Kos-Kudla, A Kotecka-Blicharz, A Kowalska, J Krajewska, A Kropinska, A Kukulka, E Kulik, A Kulakowski, K Kuzdak, D Lange, A Ledwon, E Lewandowska-Jablonska, K Lacka, B Michalik, A Nasierowska-Guttmejer, J Nauman, **M Niedziela**, E Malecka-Tendera, M Oczko-Wojciechowska, T Olczyk, E Paliczka-Cieslik, L Pomorski, Z Puch, J Roskosz, M Ruchala, D Rusinek, S Sporny, A Stanek-Widera, Z Stojcev, A Sygula, A Syrenicz, S Szpak-Ulczo, T Tomkalski, Z Wygoda, J Wloch, E Zembala-Nozyska. *Guidelines of Polish national societies diagnostics and treatment of thyroid carcinoma*. 2018 update. *Endokr Pol* 2018;69(1):34-74 **IF=1.521**

More than 20 chapters were published in polish pediatric and endocrine books to date.

3. Oral contributions to international conferences

- **Niedziela M**, A. Lerchl, E. Nieschlag. **Direct effects of melatonin on testosterone synthesis of Leydig cells in Djungarian hamsters (*Phodopus sungorus*) in vitro**. 7th European Pineal Society Colloquium, Sitges-Barcelona, Spain, **1996** (oral presentation)
- Korman E, **Niedziela M**, Rybakowa M, Dziatkowiak H, Dorant B, Kalicka-Kasperczyk A, Malecka-Tendera E, Nizankowska-Blaz T, Romer TE, L. Szewczyk, F. Śliwa, M. Walczak, W. Bich, M. Urban, R. Wąsikowa, T. Żak, K. Wójcik-Musiałek, J. Zarzycki, I. Bobeff, U. Oczkowska, H. Kamińska. **Thyroid Nodular Disease in Children - a Preliminary Polish Multicenter Study**. 38th European Society for Paediatric Endocrinology (ESPE) Annual Meeting, Warsaw, Poland, **1999** (oral presentation)
- **Niedziela M**, J. Maceluch, E. Korman. **Pre-operative molecular studies in the diagnosis of thyroid nodular disease in children**. 41st ESPE Annual Meeting, Madrid, Spain, **2002** (oral presentation)
- **Niedziela M**, D. Breborowicz, E. Trejster, J. Breborowicz, J. Harasymczuk, M. Warzywoda, M. Rolski, E. Korman. **A prospective study of thyroid nodular disease in children in western Poland from 1996 to 2000**. 6th European Congress of Endocrinology organizowany przez EFES, Lyon, France, **2003** (oral presentation)
- **Niedziela M**, E. Korman. **Risk of neoplasm in autoimmune thyroid disease in children - transition from iodine deficiency to iodine sufficiency**. 42st ESPE Annual Meeting, Ljubljana, Slovenia, **2003** (oral presentation)
- **Niedziela M**. **Thyroid nodules in children – benign or malignant?** 7th European Congress of Endocrinology, Goeteborg, Sweden, 3-7.09.**2005**
- **Niedziela M**. **Endocrine disorders of puberty**. 9th European Congress of Endocrinology, Budapest, Hungary, 28.04-02.05.**2007**
- **Niedziela M**. **Early detection of endocrine disorders in children**. The Aga Khan University. Faculty of Health Sciences. Nairobi, Kenia. Lecture for worldwide hospitals of Aga Khan University Hospital (during Pan-African tutorship in frame of the ESPE, 18.09.**2008**)
- **Niedziela M**. **Thyroid neoplasm in children with chronic autoimmune thyroiditis: clinical, cytological and molecular dilemmas**. 24th Workshop on Experimental Thyroid research (Arbeitstagung Experimentelle Schilddrusenforschung, AESF), Berlin 4-6.12.**2008**, Charite University Medicine, Berlin, Germany
- **Niedziela M**. **Pediatrics as a challenging discipline for students and fellows: European and Pan-African Personal Experience with a diagnost work-up in thyroid disorders**. 20th International Conference on College teaching and Learning, Jacksonville, FL, USA, April **2009**
- **Niedziela M**. **Differential diagnosis of thyroid nodules in children and follow- up of patients with thyroid cancer; the role of the Chernobyl catastrophe**. Universitaets Klinikum Schleswig-Holstein, Kiel Germany – invited lecture for pediatricians of North Germany, January **2009**
- **Niedziela M**. **Long-term follow-up of Hashimoto thyroiditis**. Prague, Czech Republic, 22-25.09.**2010** (Annual ESPE Meeting: Meet the Expert Session)
- **Niedziela M**. **Hashimoto's thyroiditis in children**. Annual ETA (Eur Thyroid Assoc) Meeting: Meet the Expert Session 8-1.9.**2012**, Pisa (Włochy): (invited speaker) www.eurothyroid.com
- **Niedziela M**. **Late endocrine sequellae in survivors of childhood cancer**. ESPE Clinical Fellowship Meeting, Varna, Bulgaria, 27-29.4.**2012**
- **Niedziela M**. **Hyperthyroidism – modern approach. How difficult is to solve thyroid problems?** ESPE Clinical Fellowship Meeting, Varna, Bulgaria, 27-29.4.**2012**
- **Niedziela M**. **Differential Diagnosis of ultrasonographic thyroid lesions in children**. Symposium on The Medical and Ecological Consequences of the Fukushima Nuclear Accident, The New York Academy of Medicine, New York, 12.3.**2013** (invited speaker)
- **Niedziela M**. **Thyroid nodules and cancer; development, diagnosis and cure**. European Society of Endocrinology Summer School on Endocrinology **2015**, Bregenz, Austria (invited speaker)
- **Niedziela M**. **Autoimmune thyroiditis and the risk of cancer**. European Society of Endocrinology Summer School on Endocrinology **2015**, Bregenz, Austria (invited interactive seminar)
- **Niedziela M**. **Target(s) of TH replacement in DTC**. Annual ETA (Eur Thyroid Assoc) Meeting **2016**, ETA-CRN Symposium on Thyroid Cancer in Childhood, Copenhagen, Denmark (invited speaker) www.eurothyroid.com
- **Niedziela M**. **Abnormal thyroid function in children**. Annual ETA Meeting, Copenhagen, Denmark **2016** – Meet the Expert Session (invited speaker) www.eurothyroid.com
- **Niedziela M**, Sabbaghian N, Foulkes WD. **A de novo DICER1 germline mutation in a child with multinodular goiter**. Annual ETA Meeting **2017**, Belgrade, Serbia (oral presentation)
- **Niedziela M**. **Thyroid nodules and cancer– development, diagnosis and cure**. Lecture for clinicians at the McGill University, Health Science Center, Montreal, Canada ([visiting professor 2018](#) - 5 weeks)

- **Niedziela M. Abnormal thyroid function in children.** Lecture for residents at the McGill University, Health Science Center, Montreal, Canada ([visiting professor 2018](#) - 5 weeks)
- **Niedziela M. How do I investigate a clinically euthyroid child with a thyroid nodule.** Session “*How do I...*”. Annual European Society for Paediatric Endocrinology (ESPE) Meeting **2018**, Athens, Greece (invited speaker)
- **Niedziela M. Pediatric nodular thyroid disease.** 18th International Congress of Endocrinology and 53rd annual SEMDSA Congress, Cape Town, Republic of South Africa, **2018**. Symposium on Pediatric Thyroid Disorders (invited speaker) <http://www.ice2018.org>
- **Niedziela M. DICER1 syndrome – do we really know the thyroid?** Vth ISPAD/VAPES Postgraduate Course and Meeting “Diabetes and rare diseases” **2019**, Varna, Bulgaria (invited speaker)
- **Niedziela M, Muchantef K, Foulkes WD. Ultrasound features of multinodular goiter in DICER1 syndrome.** Annual ESPE Meeting **2019**, Vienna, Austria (oral presentation)
- **Niedziela M. Hyperthyroidism in adolescents.** 2020 European Congress of Endocrinology, 23 –26 May 2019, Prague, Czech Republic (invited speaker)

4. Outreach activities (last 5 years)

NCN project 2014/13/N/NZ5/00448 (Investigators: Kolesinska PI – PhD student/ Niedziela - promoter) March 2015-March 2018

Preludium - Identyfikacja podłoża molekularnego Zaburzeń Rozwoju Płci pacjentów z kariotypem 46,XY/

Identification of the molecular background of Disorders of Sex Development in patients with 46,XY karyotype.

This project linked clinical characteristics, next-generation sequencing with bioinformatics to set-up an integrated multidisciplinary protocol for genetic diagnostic testing and management in 46,XY patients.

Current departmental ongoing research topics:

- The role of PAPP-A2 in severe short stature
- Hypophosphatemic rickets – clinical and genetic aspects
- Congenital adrenal insufficiency - Adrenal Hypoplasia Congenita AHC (*NROB1/DAX1*)
- Disorders of sex development – genetic background and clinical aspects in 46,XY DSD
- Hypogonadotropic hypogonadism – genetic background and clinical aspects
- Microfragments of Y-chromosome in girls with Turner syndrome

Current (ongoing) international and national cooperation:

- Prof. William D Foulkes (McGill University, Montreal, Canada) – hereditary endocrine tumors with a central role of *DICER1*
- Prof. N. Pitteloud (Endocrinology, Diabetes, and Metabolism, Le CHUV, Lausanne, Switzerland) - [COST Action BM1105 \(2012-2016\)](#) and ongoing research investigation on genetic background of hypogonadotropic hypogonadism (isolated, combined and syndromic) and Disorders of Sex Development (DSD)
- Prof. Faisal S. Ahmed (University of Glasgow) – I-DSD Registry
- Prof. P-M Holterhus (University of Kiel, Germany) – congenital adrenal hyperplasia
- Prof. R. Paschke (University of Calgary, Canada) – pediatric thyroid nodules; nonautoimmune hyperthyroidism – *TSHR* gene mutations and biomarkers of thyroid cancer in hot nodules
- Prof. M. Ruchala (Poznan University of Medical Sciences, Poland) – genetics of thyroid hemiagenesis and prognostic factors in follow-up of pediatric thyroid cancer
- Prof. M.R. Krawczynski (Poznan University of Medical Sciences, Poland) – genetics of disorders of sex development
- Prof. George Kahaly (University of Mainz, Germany) – autoimmune profile in childhood thyroid diseases
- Prof. Marta Korbonits (William Harvey Research Institute, Barts and the London School of Medicine Queen Mary University of London, UK) – genetics of hereditary pituitary tumors in children and clinical outcome
- Prof. Krish Chatterjee (University of Cambridge, UK) – thyroid hormone resistance – clinical and genetic aspects
- Prof. Taneli Raivio (University of Helsinki, Finland) – familial precocious puberty – clinical and genetic aspects