

Rafał Adamczak

Department of Obstetrics, Feminine Diseases and Oncologic Gynecology

Medical Faculty

‘Ludwik Rydygier’ Collegium Medicum in Bydgoszcz

Nicolaus Copernicus University in Torun

List of scientific or artistic achievements that make a significant contribution to the development of a specific discipline

1.0 Discussion of the scientific or artistic achievements referred to in Art. 219, paragraph 1, point 2 of the Act

1.1 Principal scientific achievement

- A cycle of 5 publications, entitled:

‘Immune imbalances, including those associated with atopic diseases, in patients treated for infertility’

- The achievement was documented in a series of 5 original publications published in journals in the Journal Citation Reports (JCR) database with an international scope, including one paper accepted for publication.

1. Adamczak R, Ukleja-Sokołowska N, Dubiel M, Allergy to airborne allergens and menstrual cycles of women treated for infertility, Revue Française d'Allergologie, 2022. Jun 23; DOI: 10.1016/j.reval.2022.06.001

IF 0,254; MNiSW score: 20

My contribution to this work consisted in developing the study design, qualifying patients for the study, taking medical history and obtaining written consent of patients to participate in the study, collecting clinical data, data analysis, collecting and analyzing the literature, writing the manuscript, making the necessary corrections after reviews.

2. Adamczak R, Ukleja-Sokołowska N, Pasińska M, Zielińska J, Leśny M, Dubiel M. Abnormal sperm morphology is associated with sensitization to inhaled allergens. Int J Immunopathol Pharmacol. 2022 Jan-Dec;36:20587384211066718. doi: 10.1177/20587384211066718. PMID: 34984934; PMCID: PMC8743921.

IF 3,298; MNiSW score: 70

My contribution to this work consisted in developing the study design, qualifying patients for the study, taking medical history and obtaining written consent of patients to participate in the study, collecting clinical data, data analysis, collecting and analyzing the literature, writing the manuscript, making necessary corrections after reviews.

3. Adamczak Rafał, Ukleja-Sokołowska Natalia, Lis Kinga, Bartuzi Zbigniew, Dubiel Mariusz.

Concentrations of matrix metalloproteinase 9, interleukin 4, and interleukin 8 in follicular fluid, and the results of *in vitro* fertilization.

J. Int. Med. Res. 2022 : Vol. 50, nr 9, s. 1-17.

DOI: 10.1177/030006052211256 PMID: 36138563 PMCID: PMC9511339

IF 1.573 ; MNiSW score :40

Contribution to the creation of the work:

My contribution to this paper consisted of contribution to the study design, collecting research material, interviewing with the patients, obtaining consent, and preparing the manuscript, making necessary corrections after reviews.

4. Adamczak R, Ukleja-Sokolowska N, Lis K, Bartuzi Z, Dubiel M.

Assessment of RANTES, MIP4A, MMP7, MMP9, MMP14, TIMP 1, TIMP 2 and TIMP 3 concentration in the follicular fluid of patients undergoing IVF/ET procedure.

Advances in Dermatology and Allergology

IF 1,664; MNiSW:70

The publication is accepted to be published on 07.12.2022.

My contribution to this paper consisted of developing of study design, research material collection, performing interview with the patient, gynecological assessment, performed the IVF/ET, obtained consent, prepared manuscript, given final approval of the version to be published; and agrees to be accountable for all aspects of the work related to its accuracy or integrity

5. Adamczak R, Ukleja-Sokolowska N, Lis K, Bartuzi Z, Dubiel M, PIBF 1 and cytokine profile of follicular fluid of infertile women qualified to IVF – the influence on fetus development and pregnancy outcome, Int J Immunopathol Pharmacol. 2022 Jul 12: Vol. 36. DOI: 10.1177/03946320221111134. PMID: 35861194 PMCID: PMC9310294

IF 3,298; MNiSW score: 70

My contribution to this work consisted in developing the study design, qualifying patients for the study, taking medical history and obtaining written consent of patients to participate in the study, collecting clinical data, data analysis, collecting and analyzing the literature, writing the manuscript, making necessary corrections after reviews.

Total bibliometric value of above-presented publications is:

Original papers (1, 2, 3, 4, 5, respectively):

Impact Factor (IF): $0,254+3,298+1,573+1,664+3,298=10,087$

Scoring of the Ministry of Science and Higher Education (MNiSW): $20+70+40+70+70=270$ points

1.2 Other directions of research

- **A series of two (2) scientific papers regarding application of laparoscopic techniques and hysteroscopy in gynecology**

1. Adamczak Rafał, Szymański Marek, Szymański Wiesław, Ludwikowski G., Pasińska Magdalena. [Przydatność laparoskopii i laparotomii w leczeniu guzów jajnika.] Ginekol. Prakt. 2001 : R. 9, nr 6, s. 11-15. Polish Article

2. Ludwikowski G., Adamczak Rafał, Szymański Marek, Pasińska Magdalena, Grabiec Marek, Szymański Wiesław. [Przebieg ciąży i porodu po histeroskopowym przecięciu przegrody macicy.] Ginekol. Prakt. 2001 : R. 9, nr 8, s. 6-7. Polish Article

- **A series of three (3) scientific papers regarding application of ultrasound diagnostics in obstetrics and gynecology**

1. Adamczak Rafał [.Analiza wieku ciążowego zarodków i płodów ludzkich na podstawie rutynowych pomiarów ultrasonograficznych.] T. 12, s. 9. Ann. Acad. Med. Bydg. 1998 Doctoral degree abstract

2. Szymański W[iesław], Adamczak R[afal], Szymański M[arek], Czech-Stankiewicz M[ałgorzata]. Diagnostic value of ultrasonographic examination of ovary tumors based on postoperative histopathological evaluation. Gynecol. Endocrinol. 1998 : Vol.12 suppl.2, FC 137

3. Szymański W[iesław], Adamczak R[afal], Adamczak I., Nowak D[ariusz]. Ultrasonographical evaluation of growing rate in fetuses from unifetal and bigeminal pregnancies. W: Advances in Polish Clinical Anatomy. Ed. B. Cizek. Warsaw, 2003 s. 243-248.

- **A series (2) scientific papers on the role of cross-allergy to canine allergen Can f 5 based on inhibition tests**

1. Ukleja-Sokołowska N, Lis K, Żbikowska-Gotz M, **Adamczak R**, Bartuzi Z. Analysis of allergen profile in patients sensitized to canine allergen and potential Can f 5 cross-reactivity with human PSA. *Int J Immunopathol Pharmacol*. 2021 Jan-Dec;35:20587384211023670. doi: 10.1177/20587384211023670. PMID: 34116601; PMCID: PMC8202253.

2. Lis K, Ukleja-Sokołowska N, **Adamczak R**, Bartuzi Z. Experimental Research Models to Assess the Cross-Reactivity between Can f 5 and Human PSA—Two Different Perspectives. *International Journal of Molecular Sciences*. 2022 Sep 23;23(19):11223.

- **A series of four (4) scientific papers regarding allergy to shrimp, prepared in cooperation with the Teaching Department of Allergology, Clinical Immunology and Internal medicine of the Collegium Medicum in Bydgoszcz, UMK in Torun**

1. Ukleja-Sokołowska N, Gawrońska-Ukleja E, Lis K, Żbikowska-Gotz M, **Adamczak R**, Sokołowski Ł, Bartuzi Z. Shrimp sensitization in house dust mite allergic patients. *International Journal of Immunopathology and Pharmacology*. 2020.03.09 DOI: 10.1177/2058738420907188

2. Ukleja-Sokołowska N, Lis K, Żbikowska-Gotz M, **Adamczak R**, Kuźmiński A, Bartuzi Z. Clinical utility of immunological methods based on the singleplex and multiplex ImmunoCap systems for diagnosis of shrimp allergy. *Journal of International Medical Research*. 2021 Apr;49(4):03000605211006597.

3. Ukleja-Sokołowska N, Żbikowska-Gotz M, Lis K, **Adamczak R**, Bartuzi Z. Assessment of TSLP, IL 25 and IL 33 in patients with shrimp allergy. *Allergy, Asthma & Clinical Immunology*. 2021 Dec;17(1):1-1.

4. Ukleja-Sokołowska N, Lis K, Żbikowska-Gotz M, **Adamczak R**, Bartuzi Z. IgE, IgG, TSLP, IL 25 and IL 33 in symptomatic and asymptomatic patients sensitized to shrimp allergens. *Food and Agricultural Immunology*. 2021 Jan 1;32(1):837-50. Mar;34:2058738420907188.

- **Scientific paper regarding *in vivo* diagnostics in food allergy**

1. Ukleja-Sokołowska N, Zacniewski R, Gawrońska-Ukleja E, Żbikowska-Gotz M, Lis K, Sokołowski Ł, **Adamczak R**, Bartuzi Z. Food-dependent, exercise-induced anaphylaxis in a patient allergic to peach. *International Journal of Immunopathology and Pharmacology*. 2018 Sep;32:2058738418803154

- **A series of (5) scientific papers on pathology of pregnancy**

1. Ludwikowski G., **Adamczak Rafał**, Szymański Marek, Pasińska Magdalena, Grabiec Marek, Szymański Wiesław. [Przebieg ciąży i porodu po histeroskopowym przecięciu przegrody macicy.] *Ginekol. Prakt.* 2001 : R. 9, nr 8, s. 6-7.
Polski, Artykuł

2. Nowak-Łoś L, Odrowąż-Sypniewska G, Zegarska J, Zalewska-Zacharek M, Kłyszajko-Molska J, Grabiec M, **Adamczak R**. Analysis of serum protein fractions from women with recurrent miscarriage. *Ginekologia Polska*. 2013;84(10)

3. Sadłecki P, Walentowicz-Sadłecka M, Pasińska M, **Adamczak R**, Grabiec M. Indications for genetic amniocentesis investigated at the Department of Gynecology, Obstetrics, and Oncologic Gynecology, Nicolaus Copernicus University, Collegium Medicum, Bydgoszcz. *Ginekologia polska*. 2014 Jun 1;85(6):420-3.

4. Pasińska M, **Adamczak R**, Repczyńska A, Łazarczyk E, Iskra B, Runge AK, Haus O. Prenatal identification of partial 3q duplication syndrome. *BMC Medical Genomics*. 2019 Dec;12(1):1-8.

5. Góralczyk A, Kolossa K, Waszczak-Jeka M, **Adamczak R**, Jeka S. The exposure to biologic and targeted synthetic disease-modifying antirheumatic drugs in pregnancy and lactation. *Advances in Dermatology and Allergology/Postępy Dermatologii i Alergologii*. 2020 Jun;37(3):306.

- **A series of (3) scientific papers regarding the role of generalized inflammatory reaction in other diseases, including fertility disorders, in cooperation with the Teaching Department of Allergology, Clinical Immunology and Internal medicine of the Collegium Medicum in Bydgoszcz, UMK in Torun**

1. **Adamczak R**, Ukleja-Sokołowska N, Bartuzi Z., Fertility and allergy : is there a correlation? *Postępy Hig. Med. Dośw.*, 2019 : T. 73, s. 440-446.

2. Adamczak, R.; Ukleja-Sokołowska, N.; Lis, K.; Dubiel, M. Function of Follicular Cytokines: Roles Played During Maturation, Development and Implantation of Embryo. *Medicina* **2021**, 57, x.

3. Adamczak R, Ukleja-Sokołowska N, Pasińska M, Zielińska J, Leśny M, Dubiel M, Abnormal sperm morphology is associated with sensitization to inhaled allergens, *International journal of immunopathology and pharmacology*, 2022.01.05 Vol.36 DOI: 10.1177/20587384211066718

2.0 A list of published scientific papers

The period before obtaining the doctoral degree

1994

1. Grabiec Marek, Ludwikowski Grzegorz, Tyloch Małgorzata, **Adamczak Rafał**. [Laparoskopowa ocena zrostów w miednicy mniejszej u pacjentek leczonych z powodu niepłodności.] *Ginekol.Pol.*1994: T.65, nr 3, p.125-128. **MNiSW: 5.000**

1996

2. Szymański Wiesław, Adamczewska K., **Adamczak Rafał**, Jendryczka J. [Analiza leczonych pacjentek w programie IVF-ET w zależności od wieku.] *Ginekol. Pol.* 1996 : T. 67 supl. 4, p. 85-88, il. tab. bibliogr. sum. Polish, Congress lecture in the Supplement **MNiSW: 5.000**

3. Ludwikowski G., Grabiec M[arek], Szymański M[arek], **Adamczak R[afał]**, Sarap J[erzy]. [Laparoskopia w leczeniu torbieli jajników.] *Ginekol. Pol.*1996 : T. 67 supl. 2, p. 119-122, tab. bibliogr. sum. Polish, Congress lecture in the Supplement **MNiSW: 5.000**

4. Grabiec M[arek], Szymański W[iesław], Ludwikowski G., **Adamczak R[afał]**, Sarap J[erzy]. [Ocena płodności po laparoskopowym leczeniu ciąży jajowodowej.] *Ginekol. Pol.* 1996 : T. 67 supl. 2, p. 50-52, tab. bibliogr. sum. Polish, Congress lecture in the Supplement **MNiSW: 5.000**

5. Grabiec Marek, Ludwikowski G., Szymański Wiesław, **Adamczak Rafał**. [Ocena skuteczności inseminacji domacicznych (IUI) w leczeniu czynnika męskiego niepłodności.] *Ginekol. Pol.*1996 : T. 67 supl. 4, p. 166-168, tab. bibliogr. sum. Polish, Congress lecture in the Supplement **MNiSW: 5.000**

6. Grabiec M[arek], Szymański W[iesław], Ludwikowski G., **Adamczak R[afał]**, Sarap J[erzy]. [Płodność po laparoskopowym leczeniu ZPZJ]. *Ginekol. Pol.* 1996 : T. 67 supl. 2, p. 53-55, bibliogr. sum. Polish, Congress lecture in the Supplement **MNiSW: 5.000**

7.Szymański W[iesław], Ludwikowski G., Grabiec M[arek], **Adamczak R[afał]**, Szymański M[arek], Kazdepka A[nita]. [Powodzenia i niepowodzenia w leczeniu zachowawczym ciąży ektopowej i iniekcjami methotrexatu (MTX).] Ginekol. Pol. 1996 : T. 67 supl. 2, p. 328-330, tab. bibliogr. sum. Polish, Congress lecture in the Supplement **MNiSW: 5.000**

8.Szymkowiak E[dward], Sarap J[erzy], **Adamczak R[afał]**, Krakowiak J[anusz], Gniłka W[łodzimierz], Rachnema N..Somatometric and ultrasonographic examination of the growth and proportional variability of extremities in fetal development of man.W: 17th Congress of the Polish Anatomical Society with International Participation. Gdańsk, 3-6 IX 1996. Abstracts. [B.m., 1996]p. 120.Polish, Congress abstract

1997

9.Szymański Wiesław, **Adamczak Rafał**, Sarap Jerzy, Ludwikowski G., Szymański Marek. [Laparoskopia w diagnostyce i leczeniu guzów jajnika.W: Materiały Naukowe Jubileuszowego Kongresu Ginekologii Praktycznej.] [Poznań, 1997] p. 36-38 : il. tab. bibliogr. Polish, Congress lecture

10.Ludwikowski G., Szymański Wiesław, **Adamczak Rafał**, Adamczewska K.. [Laparoskopowa ocena narządów miednicy mniejszej u pacjentek leczonych z powodu niepłodności po prawidłowym wyniku badania HSG.]W: Materiały Naukowe Jubileuszowego Kongresu Ginekologii Praktycznej.] [Poznań, 1997] p. 122-123 : tab. bibliogr. Polish, Congress lecture

11.Szymański Wiesław, Sarap Jerzy, **Adamczak Rafał**, Pasińska M.. [Wartość diagnostyczna badania ultrasonograficznego guzów jajnika w oparciu o pooperacyjne rozpoznanie histopatologiczne.] Ginekol. Pol.1997 : T. 68, nr 6, p. 377, bibliogr. Polish, Congress abstract

Doctoral degree May 28, 1997 obtaining the scientific degree of the doctor of medical sciences in medicine, awarded on the basis of the decision of the Council of the Medical faculty of the Medical Academy in Bydgoszcz

12.**Adamczak Rafał**: [Analiza wieku ciążowego zarodków i płodów ludzkich na podstawie rutynowych pomiarów ultrasonograficznych.] Supervisor: Prof. Wiesław Szymański, MD, PhD
Ann. Acad. Med. Bydg. 1998 : T. 12, p. 9. Polish, Abstract of the doctoral thesis

Period after obtaining the doctoral degree

1998

1. Szymański W[iesław], **Adamczak R[afał]**, Szymański M[arek], Czech-Stankiewicz M[ałgorzata].

Diagnostic value of ultrasonographic examination of ovary tumors based on postoperative histopathological evaluation. Gynecol. Endocrinol. 1998 : Vol. 12 suppl. 2, FC137. Foreign, Congress abstract in the supplement ENG

2. **Adamczak Rafał**, Szymański Wiesław, Skublicki Stanisław, Przepierski M..

[Wartość ultrasonografii w rozpoznawaniu wad wrodzonych płodu]. Klin. Perinatol. Ginekol. 1998 : T. 27, p. 368-370, tab. bibliogr. sum. Polish, Congress lecture POL **MNiSW: 2.000**

3. Grabiec M[arek], Szymański W[iesław], **Adamczak R[afał]**, Jendryczka J..

Carboxy-terminal cross linked telopeptide of type I collagen (ICTP) and hormone concentrations in serum and follicular fluid in stimulated cycles of in vitro fertilization patient W: 4th Congress of the European Society for Gynecologic and Obstetric Investigation. Madonna di Campiglio, Italy, 14-26 III 1999. Book of abstracts. [B.m., 1999],[1] p. Foreign, Congress poster ENG

1999

4. Grabiec M[arek], Szymański W[iesław], **Adamczak R[afał]**, Jendryczka J.

Carboxy-terminal cross linked telopeptide of type I collagen (ICTP) and hormone concentrations in serum and follicular fluid in stimulated cycles of in vitro fertilization patients. W: 4th Congress of the European Society for Gynecologic and Obstetric Investigation. Madonna di Campiglio, Italy, 14-26 III 1999. Book of abstracts. [B.m., 1999], Foreign, Congress poster ENG

2000

5. **Adamczak Rafał**, Szymański Wiesław, Kłyszajko Czesław, Nowak Dariusz, Adamczak Iwona. Analysis of committed errors of gestational age defining on basis routine ultrasonographic monitoring. Acta Biol. Cracov. Ser. Botanica 2000 : Vol. 42 suppl. 1, p. 16. Polish, Congress poster in the supplement POL

6. **Adamczak Rafał**, Szymański Wiesław, Kłyszajko Czesław, Nowak Dariusz, Adamczak Iwona. Analysis of human embryos and fetus gestational age on basis of biparietal diameter. Acta Biol. Cracov. Ser. Botanica 2000 : Vol. 42 suppl. 1, p. 16. Polish, Congress poster in the supplement

7. Nowak D[ariusz], Bożiłow W[ładimir], Kozłowska H., **Adamczak R[afał]**.
[Badania wrastania aorty w rozwoju prenatalnym człowieka.]

W: II Konferencja Anatomii Klinicznej. Warsaw, 17-19 XI 2000. A book of abstracts. Warsaw, 2000, p. 44. Polish, Congress abstract POL

8. Nowak D[ariusz], Bożiłow W[ładimir], Kozłowska H., **Adamczak R[afał]**.

[Badania wymiarów zewnętrznych serca u płodów ludzkich w II i III trymestrze ciąży].

W: II Konferencja Anatomii Klinicznej. Warsaw, 17-19 XI 2000. A book of abstracts. Warsaw, 2000, p. 83. Polish, Congress abstract POL

9.Szymański Wiesław, Kazdepka-Ziemińska Anita, Kłyszajko Czesław, Senterkiewicz Lilla, Jendryczka-Maćkiewicz Ewa, **Adamczak Rafał**, Jendryczka J.
[Ocena wpływu stężenia homocysteiny na obraz morfologiczny oocytów]. Ginekol. Pol. 2000] supl, p. 40. Polish, Congress abstract in the supplement POL

10.**Adamczak R[afał]**, Szymański W[iesław], Adamczak I[wona], Nowak D[ariusz].
[Przydatność rutynowo stosowanych normogramów celem ultrasonograficznego określenia wieku ciążowego zarodków i płodów ludzkich.]W: II Konferencja Anatomii Klinicznej. Warsaw, 17-19 XI 2000. A book of abstracts. Warsaw, 2000,p. 124. Polish, Congress abstract POL

11.Szymański Wiesław, Grabiec Marek, **Adamczak Rafał**, Szymański Marek, Ludwikowski G.[Skuteczność zabiegów laparoskopowych u pacjentek leczonych z powodu policystycznych jajników (PCOS) i ciąży ektopowej w aspekcie przyszłej płodności]. Ginekol. Pol.2000] supl, p. 27. Polish, Congress abstract in the supplement POL

12.Nowak Dariusz, Bożiłow Władimir, **Adamczak Rafał**, Adamczak Iwona.
The thickness of heart walls in intrauterine life with regard sexual differences. Acta Biol. Cracov. Ser. Botanica 2000 : Vol. 42 suppl. 1, p. 53.Polish, Congress poster in the supplement ENG

13.Szymański W[iesław], **Adamczak R[afał]**, Adamczak I[wona], Nowak D[ariusz].
[Ultrasonograficzna ocena tempa wzrastania płodów z ciąży pojedynczych i bliźniaczych.] W: II Konferencja Anatomii Klinicznej. Warsaw, 17-19 XI 2000. A book of abstracts. Warsaw, 2000,p. 113.Polish, Congress abstract POL

14. Ludwikowski G., Szymański Wiesław, **Adamczak Rafał**, Adamczewska K., Grabiec Marek.[Wczesne rozpoznanie ciąży ektopowej i dalsze jej losy]. Ginekol. Pol.2000] supl, p. 269., Congress abstract in the supplement POL

2001

15.Sobociński Z., Szymański Wiesław, **Adamczak Rafał**, Ludwikowski G., Przepierski M., Gruszka M.[Ocena częstości występowania infekcji wywołanych przez Chlamydia Trachomatis u niepłodnych kobiet diagnozowanych laparoskopowo na podstawie obecności Chlamydii Trachomatis w szyjce macicy, płynie z wolnej jamy otrzewnowej, punktatów torbieli jajnika.] Ginekol. Pol. 2001 : T. 72, nr 4, p. 224-227.
Polish, Paper POL **MNiSW: 5.000**

16.**Adamczak Rafał**, Szymański Marek, Szymański Wiesław, Ludwikowski G., Pasińska Magdalena.[Przydatność laparoskopii i laparotomii w leczeniu guzów jajnika.]Ginekol. Prakt. 2001 : R. 9, nr 8, p. 3-5.Polish, Paper POL

17. Adamczak Rafał, Szymański Marek, Szymański Wiesław, Ludwikowski G., Pasińska Magdalena. [Przydatność laparoskopii i laparotomii w leczeniu guzów jajnika.] Ginekol. Prakt. 2001 : R. nr 6 p.11-15. Polish, Paper POL **MNiSW: 1.000**

18. Pasińska M[agdalen]a, Haus O[lga], Szymański W[iesław], Ferenc A[leksandra], Mucha B[arbara], Marcinkowska A., **Adamczak R[afał]**. [Wyniki badań cytogenetycznych u 91 par z niepowodzeniami ciążowymi.] W: XIV Zjazd Polskiego Towarzystwa Genetycznego "Genetyka w służbie człowieka". Poznań 11-13 VI 2001. Abstracts. [B.m., 2001] p. 145-146. Polish, Congress abstract POL

2002

19. Pasińska M[agdalen]a, Haus O[lga], **Adamczak R[afał]**, Mucha B[arbara], Ferenc A[leksandra], Ludwikowski G., Masłowska I., Szymański W[iesław]. [Analiza cytogenetyczna u par z poronieniami nawykowymi w regionie Kujawsko-Pomorskim.] W: III Zjazd Polskiego Towarzystwa Genetyki Człowieka "Genetyka w medycynie". Poznań, 16-18 IX 2002. Poznań: Ośrodek Wydawnictw Naukowych, 2002. Program and abstracts. [B.m., 2002] p. 98. Polish, Congress abstract POL

20. Ludwikowski G., Adamczak Rafał, Szymański Marek, Pasińska Magdalena, Grabiec Marek, Szymański Wiesław. [Przebieg ciąży i porodu po histeroskopowym przecięciu przegrody macicy]. Ginekol. Prakt. 2001 : R. 9, nr 8, p. 6-7. Polish, Paper POL **MNiSW: 1.000**

21. Adamczak I[wona], Malinowski A., **Adamczak R[afał]**, Nowak D[ariusz]. [Rozwój somatyczny a wady postawy wśród dzieci ze szkół podstawowych. W: Ontogeneza i promocja zdrowia w aspekcie medycyny, antropologii i wychowania fizycznego.] Zielona Góra: Uniwersytet Zielonogórski, 2002 p. 106-109. Polish, Fragment POL **MNiSW: 3.000**

22. Nowak Dariusz, Bożiłow Władimir, Adamczak Iwona, Nowak A., **Adamczak Rafał**. [Rozwój zatoki wieńcowej w życiu prenatalnym człowieka]. W: Ontogeneza i promocja zdrowia w aspekcie medycyny, antropologii i wychowania fizycznego. Zielona Góra: Uniwersytet Zielonogórski, 2002 p. 277-279. Polish, Fragment POL **MNiSW: 3.000**

2003

23. Adamczak Rafał, Szymański Wiesław, Pasińska Magdalena, Haus Olga. [Badania diagnostyczne u dziewcząt i kobiet z zaburzeniami rozwoju cielesno-płciowego.] Ginekol. Pol. 2003 : T. 74 supl. 1, p. 242. Polish, Congress abstract in the supplement POL

24. Adamczak Rafał, Szymański Wiesław, Pasińska Magdalena, Haus Olga. [Badania diagnostyczne u dziewcząt i kobiet z zaburzeniami rozwoju cielesno-płciowego.] Ginekol. Pol. 2003 : T. 74, nr 9, p. 925-929. Polish, Congress lecture POL **MNiSW: 5.000**

- 25.** Nowak D[ariusz], Bożiłow W[ładimir], Kozłowska H., **Adamczak R[afal]**. External dimensions of human embryonal hearts in IInd and IIIrd trimester studies. W: Advances in Polish Clinical Anatomy. Ed. B. Cizek. Warsaw, 2003 p. 19-23. Polish, Fragment ENG
- 26.** Nowak D[ariusz], Bożiłow W[ładimir], Kozłowska H., **Adamczak R[afal]**. Studies of aorta growth in human prenatal life. W: Advances in Polish Clinical Anatomy. Ed. B. Cizek. Warsaw, 2003 p. 25-28. Polish, Fragment ENG
- 27.** **Adamczak R[afal]**, Szymański W[iesław], Adamczak I., Nowak D[ariusz]. The usefulness of standard normograms in ultrasonographical determination of pregnancy ae. W: Advances in Polish Clinical Anatomy. Ed. B. Cizek. Warsaw, 2003 p. 250-255. Polish, Fragment ENG **MNiSW: 12.000**
- 28.** Szymański W[iesław], **Adamczak R[afal]**, Adamczak I., Nowak D[ariusz]. Ultrasonographical evaluation of growing rate in fetuses from unifetal and bigeminal pregnancies. W: Advances in Polish Clinical Anatomy. Ed. B. Cizek. Warsaw, 2003 p. 243-248. Polish, Fragment ENG **MNiSW: 12.000**
- 29.** Pasińska M[agdaleną], Haus O[łga], **Adamczak R[afal]**, Ferenc A[leksandra]. [Wyniki badań cytogenetycznych u 140 par z niepowodzeniami ciążowymi z regionu kujawsko-pomorskiego.] Ginekol. Pol. 2003 : T. 74 supl. 2, p. 184. Polish, Congress abstract in the supplement POL
- 2004**
- 30.** Korbal P., Janiszewska T., Ćwiklińska-Jurkowska M[ałgorzata], **Adamczak Rafał [afal]**, Szymański W[iesław]. [Aktywność inhibitorów układu krzepnięcia - antytrombiny i białka C we krwi obwodowej noworodków urodzonych przedwcześnie z cechami wewnątrzmacicznego zahamowania wzrastania.] W: Sympozjum Badania Naukowe w Perinatologii. Warszawskie Warsztaty Neonatologiczne "Uwarunkowania wczesnego rozwoju i postępy w terapii jego zaburzeń". Warsaw, 28-29 X 2004. [B. m., 2004] p. 18. Polish, Congress abstract POL
- 31.** Szymański W[iesław], Kazdepka-Ziemińska A[nita], **Adamczak R[afal]**, Ludwikowski Grzegorz. [Badanie stężenia homocysteiny w płynie pęcherzykowym.] W: Biologia rozrodu oraz zdrowie reprodukcyjne człowieka. Ed. Waldemar Kuczyński. [Materiały Sympozjum Sekcji Płodności i Niepłodności PTG]. Białystok, 2004 p. 82. Polish, Congress abstract POL
- 32.** Szymański Wiesław, Pasińska Magdalena, **Adamczak Rafał**, Szymański Marek. Course and complications in multifetal pregnancy. Gemellological Rev. 2004 : Vol. 5, nr 1, p. 151-155. Polish, Paper ENG **MNiSW: 0.500**
- 33.** Ludwikowski Grzegorz, Szymański Wiesław, Szymański Marek, **Adamczak Rafał**, Kazdepka-Ziemińska Anita, Pasińska Magdalena. [Wpływ palenia tytoniu na niektóre parametry nasienia u mężczyzn o obniżonej płodności.] Przegl. Lek. 2004 : T. 61, nr 10, p. 1031-1032. Polish, Paper POL **MNiSW: 5.000**

34.Ludwikowski Grzegorz, Szymański Wiesław, Szymański Marek, **Adamczak Rafał**, Kazdepka-Ziemińska Anita, Pasińska Magdalena.[Występowanie objawów zespołu andropauzalnego wśród palących i niepalących.]Przegl. Lek.2004 : T. 61, nr 10, p. 1033-1034.Polish, Paper POL **MNiSW: 5.000**

2005

35. Korbal P., Szymański Wiesław, Janiszewska T., Ćwiklińska-Jurkowska Małgorzata, **Adamczak Rafał**, Sadowska-Krawczenko I. [Aktywność inhibitorów układu krzepnięcia - antytrombiny i białka C we krwi obwodowej noworodków urodzonych przedwcześnie z cechami wewnątrzmacicznego zahamowania wzrastania]. Med. Wieku Rozw. 2005 : T. 9, nr 3 cz. 1, p. 371-382. Polish, Paper POL **MNiSW: 4.000**

36.Szymański W[iesław], **Adamczak R[afał]**, Pasińska M[agdalena], Ludwikowski G[rzegorz], Kazdepka-Ziemińska A[nita], Wasilewski Z..
[Analiza kliniczna stanu płodu i noworodka po zabiegach obarczających z wewnątrzmacicznie rozpoznaną wadą centralnego układu nerwowego.] Ginekol. Pol.2005 : T. 76 supl. 2, p. 105.Polish, Congress abstract in the supplement POL

37. Ludwikowski Grzegorz, Kazdepka-Ziemińska Anita, Szymański Marek, **Adamczak Rafał**. [Efekty terapii androgenowej u pacjentów palących i niepalących z zaburzeniami erekcji w zespole andropauzalnym.] Przegl. Lek. 2005 : T. 62, nr 10, p. 976-977.Polish, Paper POL **MNiSW: 5.000**

38.Szymański Wiesław, Kazdepka-Ziemińska Anita, Ludwikowski Grzegorz, **Adamczak Rafał**.Study of homocysteine concentration in ovarian follicular fluid. Arch. Perinat. Med. 2005: Vol. 11, nr 1, p. 24-26. Polish, Paper in the supplement ENG **MNiSW: 3.000**

39.Pasińska Magdalena, Haus Olga, **Adamczak Rafał**, Mucha Barbara, Szymański Wiesław, Ferenc A., Ludwikowski Grzegorz, Duszeńko E..[Wyniki badań cytogenetycznych u 107 par z regionu kujawsko-pomorskiego z nawracającymi poronieniami samoistnymi]. Wiad. Lek. 2005 : T. 58, nr 11-12, p. 630-635. Polish, Paper POL **MNiSW: 5.000**

2006

40. Pasińska Magdalena, Haus Olga, Skonieczka K., Ślęzak R., Midro A.T., Stasiewicz-Jarocka B., Szczepaniak M., **Adamczak Rafał**, Marcinkowska A., Bartusiak K..
[Wyniki badań cytogenetycznych i molekularnych u 35 par z niepłodnością pierwotną.] Wiad. Lek.2006 : T. 59, nr 1-2, p. 38-43.Polish, Paper POL **MNiSW: 5.000**

2008

41.Wolski Bartłomiej, **Adamczak Rafał**, Studzińska A.,Zegarska J.,Szymański WiesławClinical significance of scpB gene based PCR test improving *Streptococcus agalactiae* carriage screening in pregnant women. Early Hum. Dev.2008 : Vol. 84 suppl, p. S50. Foreign, Congress abstract in the supplement ENG

42. Zegarska J., **Adamczak Rafał**, Wolski Bartłomiej, Szymański Wiesław, Gruszka Marzenna.Comparison of delivering mothers and umbilical cord plasma interleukin-6

concentrations as a marker of early onset neonatal infection. *Early Hum. Dev.* 2008 : Vol. 84 suppl, p. S70-S71. Foreign, Congress abstract in the supplement ENG

43. Socha Maciej W., Wolski Bartłomiej, Zegarska J., **Adamczak Rafał**, Szymański Wiesław. Fetal hypotrophy and pregnancies in women experienced hypogonadotrophic hypogonadism after biliopancreatic diversion with duodenal switch.

Early Hum. Dev. 2008 : Vol. 84 suppl, p. S108. Foreign, Congress abstract in the supplement ENG

44. **Adamczak Rafał**, Wolski Bartłomiej, Zegarska J., Szymański Wiesław.

Partial hydatidiform mole and coexisting live fetus with normal karyotype - The dilemma of management and diagnosis - Case report. *Early Hum. Dev.* 2008 : Vol. 84 suppl, p. S132. Foreign, Congress abstract in the supplement ENG

2009

45. Zegarska J., Wolski B[artłomiej], **Adamczak R[afał]**, Szymański W[iesław], Dobrzyński W[aldemar], Gruszka M[arzenna]. Concentration of procalcitonin in maternal and umbilical cord plasma and the early onset neonatal infection. *Ginekol. Pol.* 2009 : T. 80 suppl. 1E Polish, Congress abstract in the supplement ENG

46. Zegarska J[olanta], Wolski B[artłomiej], **Adamczak R[afał]**, Szymański W[iesław]. Interleukin-6 concentrations in maternal and umbilical cord plasma and the early onset neonatal infection. *Int. J. Gynecol. Obstet.* 2009 : Vol. 107 suppl. 2, p. 575. Foreign, Congress poster in the supplement ENG

47. Wolski B[artłomiej], Zegarska J[olanta], **Adamczak R[afał]**, Szymański W[iesław]. Serotype I, II, III distribution and antimicrobial susceptibility of *Streptococcus agalactiae* among Polish delivering women. *Int. J. Gynecol. Obstet.* 2009 : Vol. 107 suppl. 2, p. 575. Foreign, Congress poster in the supplement ENG

2012

48. Sadłecki P[aweł], Stankiewicz Mr., Bronk N., Walentowicz-Sadłecka M[ałgorzata], **Adamczak R[afał]**, Pasińska M[agdalenka], Grabiec M[arek].

[Analiza zabiegów amniopunkcji przeprowadzonych w latach 2010-2011 w Katedrze i Klinice Położnictwa, Chorób Kobiety i Ginekologii Onkologicznej CM UMK w Bydgoszczy.]

W: XXXI Kongres Polskiego Towarzystwa Ginekologicznego. "Kobieta XXI wieku". Katowice, 19-22 września 2012. [Katowice, 2012] p. 122. Polish, Congress abstract POL

49. Pasińska Magdalena, **Adamczak Rafał**, Tabaczyńska M., Łazarczyk

Ewelina, Pawlikowska Anna, Przybylski Grzegorz. The influence of smoking on selected biochemical serum markers in women in first trimester of pregnancy. W: Lifestyle and wellness in good health sickness and disability. Sci. ed. K. Turowski. Lublin: NeuroCentrum, 2012p. 197-210. Polish, Fragment ENG **MNiSW: 5.000**

2013

50. Nowak-Łoś Lena, Odrowąż-Sypniewska Grażyna, Zegarska Jolanta, Zalewska-Zacharek M., Klyszejko-Molska Joanna, Grabiec Marek, **Adamczak Rafał**.
Analysis of serum protein fractions from women with recurrent miscarriage.
Ginekol. Pol. 2013 : T. 84, nr 10, p. 851-856. Polish, Paper POL **IF: 0.675 MNiSW: 15.000**

2014

51. Pasińska M[agdalen], Łazarczyk E[welina], Repczyńska A[nna], Grolik B[arbara], Runge A., Juraszek A., **Adamczak R[afał]**, Walentowicz-Sadłecka M[ałgorzata], Sadłecki P[aweł], Haus O[lga]. [Analiza badań przeprowadzonych w Katedrze i Zakładzie Genetyki Klinicznej w ramach Programu Badań Prenatalnych od 01.01.2013 do 31.03.2014.]W: VII Zjazd Polskiego Towarzystwa Genetyki Człowieka, Bydgoszcz, 8-10 IX 2014. A book of abstracts. [B.m., 2014] 8. Polish, Congress abstract POL

52. Sadłecki Paweł, Walentowicz-Sadłecka Małgorzata, Pasińska Magdalena, **Adamczak Rafał**, Grabiec Marek. [Analiza wskazań do amniopunkcji genetycznej w zależności od wieku pacjentek na podstawie materiału Kliniki Położnictwa, Chorób Kobięcych i Ginekologii Onkologicznej CM UMK w Bydgoszczy.] Ginekol. Pol. 2014 : T. 85, nr 6, p. 420-423. Polish, Paper POL **IF:0.601 MNiSW: 15.000**

2015

53. Janicka A., Spaczyński R.Z., Kurzawa R., Kuczyński W., Pawelczyk L., Putowski L., Grzechocińska B., Radwan M., **Adamczak Rafał**, Bednarska-Czerwińska A., Łukaszuk K., Chrostowski B., Ciepłiński K., Faundez R., Gontarek W., Grettka K., Hawryluk M., Horak S., Janeczko J., Kazienko A., Korowaj I., Koziół K., Lewandowski P., Miciński P., Mroczkowski A., Mrugacz G., Polak A., Polak G., Radwan P., Sobkiewicz S., Szlachcic M., Szymański W., Szymusik I., Tomala M., Wojtasik B., Wołczyński S., Wójcik D., Zięba M., Ziółkowski T., Żak T.. Assisted reproductive medicine in Poland : Fertility and Sterility Special Interest Group of the Polish Gynaecological Society (SPiN PTG) 2012 report.
Ginekol. Pol. 2015 : T. 86, nr 12, p. 932-939. Polish, Paper ENG **IF: 0.609 MNiSW: 15.000**

2018

54. Ukleja-Sokołowska Natalia, Zacniewski Robert*, Gawrońska-Ukleja Ewa, Żbikowska-Gotz Magdalena, Lis Kinga, Sokołowski Łukasz*, **Adamczak Rafał**, Bartuzi Zbigniew.
Food-dependent, exercise-induced anaphylaxis in a patient allergic to peach.
Int. J. Immunopathol. Pharmacol. 2018 : Vol. 32, p. 1-7. Foreign, Letter ENG
IF: 2.180 MNiSW: 20.000

2019

55. **Adamczak Rafał**, Ukleja-Sokołowska Natalia, Bartuzi Zbigniew.
Fertility and allergy : is there a correlation?
Postępy Hig. Med. Dośw. 2019 : T. 73, p. 440-446. Polish, Paper ENG **IF: 0.878 MNiSW: 40.000**

56. Ukleja-Sokołowska Natalia, Kołodziejczyk-Pyrzyk Joanna*, Tykwińska Marta*, Żbikowska-Gotz Magdalena*, Lis Kinga, **Adamczak Rafał**, Bartuzi Zbigniew.
[Ostra reakcja anafilaktyczna po spożyciu ciasta zawierającego orzechy nerkowca : opis przypadku.] *Alergia Astma Immunol.* 2019 : T. 24, nr 2, p. 76-81.Polish, Paper POL
MNiSW: 20.000

57. Pasińska Magdalena, **Adamczak Rafał**, Repczyńska Anna, Łazarczyk Ewelina, Iskra Barbara, Runge A. K., Haus Olga. Prenatal identification of partial 3q duplication syndrome.
*BMC Med. Genom.*2019 : Vol. 12, nr 1, p. 85, 1-8. Foreign, Paper ENG **IF: 2.570**
MNiSW: 100.000

58. Ukleja-Sokołowska N[atalia], Gawrońska-Ukleja E[wa], Lis K[inga], Żbikowska-Gotz M[agdarena], **Adamczak R[afał]**, Sokołowski Ł[ukasz]*, Bartuzi Z[bigniew].
Shrimp sensitization in house dust mite allergic patients. *Allergy* 2019 : Vol. 74, suppl. 106, p. 254.Foreign, Congress abstract in the supplement ENG

2020

59.Ukleja-Sokołowska Natalia, Gawrońska-Ukleja Ewa, Lis Kinga, Żbikowska-Gotz Magdalena, **Adamczak Rafał**, Sokołowski Łukasz*, Bartuzi Zbigniew.
Shrimp sensitization in house dust mite allergic patients.
*Int. J. Immunopathol. Pharmacol.*2020 : vol. 34, p. 1-8.Foreign, Paper ENG **IF: 3.219**
MNiSW: 70.000

60. Góralczyk A., Kolossa K., Waszczak-Jeka M., **Adamczak Rafał**, Jeka Sławomir.
The exposure to biologic and targeted synthetic disease-modifying antirheumatic drugs in pregnancy and lactation.*Postępy Dermatol. Alergol.*2020 : T. 37, nr 3, p. 306-312.Polish, Paper ENG **IF: 1.837 MNiSW: 70.00**

2021

61.Ukleja-Sokołowska Natalia, Lis Kinga, Żbikowska-Gotz Magdalena, **Adamczak Rafał**, Bartuzi Zbigniew.*Analysis of allergen profile in patients sensitized to canine allergen and potential Can f 5 cross-reactivity with human PSA.* *Int. J. Immunopathol. Pharmacol.* 2021 : Vol. 35, p. 1-10.
Foreign, Paper ENG **IF: 3.298 MNiSW: 70.000**

62. Ukleja-Sokołowska Natalia, Żbikowska-Gotz Magdalena, Lis Kinga, **Adamczak Rafał**, Bartuzi Zbigniew.*Assessment of TSLP, IL 25 and IL 33 in patients with shrimp allergy.**Allergy Asthma Clin. Immunol.*2021 : Vol. 17 Foreign, Paper ENG **IF: 3.373**
MNiSW: 70.000

63.Ukleja-Sokołowska Natalia, Lis Kinga, Żbikowska-Gotz Magdalena*, **Adamczak Rafał**, Kuźmiński Andrzej, Bartuzi Zbigniew.
Clinical utility of immunological methods based on the singleplex and multiplex ImmunoCap systems for diagnosis of shrimp allergy. *J. Int. Med. Res.* 2021 : Vol. 49, nr 4, p. 1-14.Foreign, Paper ENG **IF: 1.573 MNiSW: 40.000**

64. Adamczak Rafał, Ukleja-Sokołowska Natalia, Lis Kinga, Dubiel Mariusz.
Function of follicular cytokines : roles played during maturation, development and implantation of embryo. *Medicina-Lithuania* 2021 : Vol. 57, nr 11, p. 1-10;, 1251.Foreign, Paper ENG **IF: 2.948 MNiSW: 40.000**

65.Bednarek Szymon, Głogiewicz M., **Adamczak Rafał**, Dubiel Mariusz.
Haemodynamic changes during preterm birth treatment.
W: Current topics in caesarean section. P. Tsikouras, N. Nikolettos, W. Rath.: IntechOpen, 2021 p. 1-17. Foreign, Fragment ENG **MNiSW: 5.000**

2022

66.Ukleja-Sokołowska Natalia, Lis Kinga, Żbikowska-Gotz Magdalena*, **Adamczak Rafał**, Bartuzi Zbigniew. IgE, IgG, TSLP, IL 25 and IL 33 in symptomatic and asymptomatic patients sensitized to shrimp allergens. *Food Agricult. Immunol.*2021 : Vol. 32, nr 1, s. 837-850.Zagraniczny, ArtykułENG **IF: 3.268 MNiSW: 100.000**

67. Adamczak Rafał, Ukleja-Sokołowska Natalia, Pasińska Magdalena, Zielińska Joanna*, Leśny Mateusz*, Dubiel Mariusz.
Abnormal sperm morphology is associated with sensitization to inhaled allergens.
*Int. J. Immunopathol. Pharmacol.*2022 : Vol. 36Zagraniczny, Artykuł ENG **IF: 3.298 MNiSW: 70.000**

68.**Adamczak Rafał**, Ukleja-Sokołowska Natalia, Dubiel Mariusz.
Allergy to airborne allergens and menstrual cycles of women treated for infertility.
*Rev. Fr. Allergol.*2022 Zagraniczny, Artykuł ENG **IF: 0.254 MNiSW: 20.000**

69.Myszkowski Bartłomiej, Stawska Agata, Głogiewicz Małgorzata, Sekielska-Domanowska Marta I., Wiśniewska-Cymbaluk Sawa*, **Adamczak Rafał**, Lach Jarosław, Cnota W., Dubiel Mariusz.Influence of gestational diabetes in twin pregnancy on the condition of newborns and early neonatal complications. *Ginekol. Pol.*2022 Polski, Artykuł ENG **IF: 1.216 MNiSW: 40.000**

70.**Adamczak Rafał**, Ukleja-Sokołowska Natalia, Lis Kinga, Bartuzi Zbigniew, Dubiel Mariusz. Progesterone-induced blocking factor I and cytokine profile of follicular fluid of infertile woman qualified to in vitro fertilization : the influence on fetus development and pregnancy outcome. *Int. J. Immunopathol. Pharmacol.*2022 : Vol. 36Zagraniczny, Artykuł ENG**IF: 3.298 MNiSW: 70.000**

71. Adamczak Rafał, Ukleja-Sokołowska Natalia, Lis Kinga, Bartuzi Zbigniew, Dubiel Mariusz.
Concentrations of matrix metalloproteinase 9, interleukin 4, and interleukin 8 in follicular fluid, and the results of *in vitro* fertilization.
*J.Int.Med.Res.*2022 Vol. 50, nr 9, s. 1-17 Zagraniczny Artykuł **IF 1,573 MNiSW:40**

72. Lis Kinga, Ukleja-Sokołowska Natalia, **Adamczak Rafał**, Bartuzi Zbigniew.
Experimental research models to assess the cross-reactivity between Can f 5 and human PSA
: two different perspectives. Int. J. Mol. Sci. 2022 : Vol. 23, nr 19, s. 1-17, 11223.
IF 6,208 MNiSW:140

A chapter in the book:

1. Bednarek Szymon, Głogiewicz M., **Adamczak Rafał**, Dubiel Mariusz.
Haemodynamic changes during preterm birth treatment.
W: Current topics in caesarean section. P. Tsikouras, N. Nikolettos, W.
Rath.: IntechOpen, 2021 p. 1-17. Foreign, Fragment ENG **MNiSW: 5.000**

Popular science articles:

Popularization of medical knowledge in a local magazine 'Panorama Osielesko'

o Topics of articles:

1. **Adamczak Rafał.**, Vaccinations in pregnancy – Dec. 2021.
2. **Adamczak Rafał.**, Osteoporosis in mature women – Jul. 2022.
3. **Adamczak Rafał** Prevention of female cancer - cervical cancer Dec.2022.

2.1 Information on presentations at national or international scientific or artistic conferences, detailing the invited lectures and plenary lectures.

A)

- o Co-organizer, member of the Organizational Committees and lecturer at Polish and international Scientific and Training Conferences along with scientific and practical workshops in the field of gynecological endoscopy organized for 20 years at the Chair and Teaching Department Obstetrics and Feminine Diseases in Bydgoszcz, e.g.:
 1. Scientific and Practical Workshop on Gynaecological Endoscopy - co-organiser and lecturer, Bydgoszcz 30.05 - 01.06.2001.
 2. Scientific and Practical Workshop on Gynaecological Endoscopy - co-organiser and lecturer, Bydgoszcz 5.06 - 5.06.2003.
 3. XIII Scientific and Training Conference with Endoscopic Workshops - co-organizer and lecturer
Lecture "Laparoscopy in the diagnosis of pelvic pain" Bydgoszcz 3.06- 4.06.2004.
 4. XV Scientific and Training Conference with Endoscopic Workshops - co-organizer and lecturer
Lecture "Laparoscopy or Laparotomy" Bydgoszcz 8.06-9.06.2006.

5. XVI Scientific and Training Conference with Endoscopic Workshops - co-organizer and lecturer
Lecture "Application of hysteroscopy in the diagnosis of uterine bleeding" Bydgoszcz 31.05- 01.06.2007.
 6. 18th scientific and training conference with endoscopic workshops - co-organizer and lecturer
Lecture "Laparoscopy - complications" Bydgoszcz 20-22.05.2009.
 7. Scientific conference "Current issues in obstetrics and gynecology" - co-organizer and lecturer
Lecture "Gigantomastia - case report" Bydgoszcz 10.10.2009.
 8. XX Jubilee Training Conference - Scientific with workshops in gynecology - co-organizer and lecturer
Lecture "Laparoscopy in the diagnosis of infertility treatment" Bydgoszcz 27.05-28.05.2011.
 9. 21st Science and Training Conference with Operational Workshops - co-organizer and lecturer
Lecture "Complications after hysteroscopy" Bydgoszcz, May 31- June 1, 2012
 10. International Operative Workshop- co-organizer and lecturer
Lecture: "Single access laparoscopy" Bydgoszcz 30.05.2014.
 11. International Laparoscopic Workshop - co-organizer and lecturer
Lecture "Hysteroscopy in outpatient conditions" Bydgoszcz 10.06.2016.
- The Jubilee Congress of Practical Gynecology
Lecture "Laparoscopy in the diagnosis and treatment of ovarian tumors", Poznań 1997.
 - 7th Szczecin Scientific Conference "Twins"
Lecture "The course and complications of multi-maternal pregnancy - triplets and quadruplets" Szczecin 14.05 - 15.05.2004.
 - Participation in the 1st International Congress of UENPS. Rome, Italy, 17-19.11. 2008 – where 4 papers were presented in the poster session:
 1. Clinical significance of scpB gene based PCR test improving *Streptococcus agalactiae* carriage screening in pregnant women.
 2. Comparison of delivering mothers and umbilical cord plasma interleukin-6 concentrations as a marker of early onset neonatal infection.
 3. Fetal hypotrophy and pregnancies in women experienced hypogonadotropic hypogonadism after biliopancreatic diversion with duodenal switch.
 4. Partial hydatidiform mole and coexisting live fetus with normal karyotype - The dilemma of management and diagnosis - Case report.
 - Participation in the XIX FIGO World Congress of Gynecology and Obstetrics. Cape Town, South Africa, 4-9.10.2009, where two papers were presented in the poster session:
 1. Interleukin-6 concentrations in maternal and umbilical cord plasma and the early onset neonatal infection.
 2. Serotype I, II, III distribution and antimicrobial susceptibility of *Streptococcus agalactiae* among Polish delivering women.

- Participation and lectures by invitation

1. Third International Scientific and Research Conference "Smart LION Immunotechnology in Medicine 2019, LVIC, UKRAINE" - Lviv National Medical University

Lecture "Allergic diseases with skin reactions in couples treated for infertility"
Lviv Ukraine 09. 2019

2. X Scientific-Practical International Conference Christmas Readings In Lviv „Covid-19, Long-Covid-19, Post-Covid-19 Their Multiplicity And Immune Disorders. National Medical University in Lviv

Lecture „Allergic factors of infertility” Lviv, Ukraine Dec 2021

3. Prenatalia 2022 Love in the time of Covid organized by CM UMK Teaching Department of Obstetrics, Feminine Diseases and Oncological Gynecology. Member of the Scientific Committee and lecturer

Lecture "Diagnostics and Treatment of Infertility during the Covid-19 pandemic" Toruń 06-07.05.2022

- Co-organizer, together with the Infertility Treatment Center Parens Kraków, of trainings and lectures on compulsory initial and excellence training for embryologists, doctors and midwives recommended by the Ministry of Health - topics of delivered lectures:

1. Qualification for in vitro fertilization, 2017, Kraków.

2. Securing fertility for the future - indications - including oncological ones - 2017, Kraków.

3. Diagnostics in infertility – a panel of genetic tests in masculine infertility – 2019, Kraków.

4. Making a therapeutic decision in infertility - assessing the likelihood of pregnancy depending on the therapy and treatment discontinuation – 2019, Kraków.

5. Treatment monitoring. Ultrasound and endocrine evaluation of stimulation and controlled hyperstimulation of ovaries.

6. Determinants indicating timing and type of ovulation peak – 2021, Kraków.

7. Late hyperstimulation syndrome – 2021, Kraków.

B) Lecturer at specialization courses for doctors in the course of specialization in obstetrics and gynecology

- Scientific director of courses and lecturer of the "Individual endoscopy course" - obligatory specialization course as part of the specialization program in obstetrics and gynecology, intended for doctors specializing in obstetrics and gynecology organized by the Chair and Teaching Department of Obstetrics, Feminine Diseases and Oncological Gynecology CM in Bydgoszcz 2011-2015 - cyclical courses, in 2011 - 6 courses, in 2012 - 7 courses, in 2013 - 5 courses, in 2014 - 8 courses, in 2015 - 8 courses.
- Scientific director of courses and lecturer in "Gynecological endocrinology, gynecology of developmental age" 2021 - a course within the CMKP organized by the Chair and Teaching Department of Obstetrics, Feminine Diseases and Oncological Gynecology CM in Bydgoszcz - Specialization course for those qualified to specialize in obstetrics and gynecology.
- Lecturer and conductor of practical classes of the course: "Endoscopy - individual practical course - modular mode; Endoscopy - individual course - current mode "2021 and 2022 for doctors specializing in obstetrics and gynecology within the CMKP organized by the Chair and Teaching Department of Obstetrics, Feminine Diseases and Oncological Gynecology CM in Bydgoszcz - cyclical courses, in 2021 - 4 courses, in 2022 - 4 courses

C) Active participation in scientific conferences – abstracts, poster sessions and congress lectures

1. Ludwikowski G., Grabiec M[arek], Szymański M[arek], **Adamczak R[afał]**, Sarap J[erzy]. [Laparoskopia w leczeniu torbieli jajników] .Ginekol. Pol.1996 : T. 67 supl. 2, p. 119-122, tab. bibliogr. sum. Polish, Congress lecture in the supplement
2. Grabiec M[arek], Szymański W[iesław], Ludwikowski G., **Adamczak R[afał]**, Sarap J[erzy]. [Ocena płodności po laparoskopowym leczeniu ciąży jajowodowej.] Ginekol. Pol.1996 : T. 67 supl. 2, p. 50-52, tab. bibliogr. sum. Polish, Congress lecture in the supplement
3. Grabiec M[arek], Szymański W[iesław], Ludwikowski G., **Adamczak R[afał]**, Sarap J[erzy]. [Płodność po laparoskopowym leczeniu ZPZJ.] Ginekol. Pol.1996 : T. 67 supl. 2, p. 53-55, bibliogr. sum. Polish, Congress lecture in the supplement
4. Szymański Wiesław, Adamczewska K., **Adamczak Rafał**, Jendryczka J. [Analiza leczonych pacjentek w programie IVF-ET w zależności od wieku]. Ginekol. Pol. 1996 : T. 67 supl. 4, p. 85-88, il. tab. bibliogr. sum. Polish, Congress lecture in the supplement **MNiSW: 5.000**

5. Grabiec Marek, Ludwikowski G., Szymański Wiesław, **Adamczak Rafał**.
[Ocena skuteczności inseminacji domacicznych (IUI) w leczeniu czynnika męskiego niepłodności]. Ginekol. Pol. 1996 : T. 67 supl. 4, p. 166-168, tab. bibliogr. sum. Polish, Congress lecture in the supplement **MNiSW: 5.000**
6. Szymański W[iesław], Ludwikowski G., Grabiec M[arek], **Adamczak R[afał]**, Szymański M[arek], Kazdepka A[nita]. [Powodzenia i niepowodzenia w leczeniu zachowawczym ciąży ektopowej i iniekcjami methotrexatu (MTX)]. Ginekol. Pol. 1996 : T. 67 supl. 2, p. 328-330, tab. bibliogr. sum. Polish, Congress lecture in the supplement **MNiSW: 5.000**
7. Szymkowiak E[dward], Sarap J[erzy], **Adamczak R[afał]**, Krakowiak J[anusz], Gniłka W[łodzimierz], Rachnema N.. Somatometric and ultrasonographic examination of the growth and proportional variability of extremities in fetal development of man. in 17th Congress of the Polish Anatomical Society with International Participation. Gdańsk, 3-6 IX 1996. Abstracts. [B.m., 1996]p. 120. Polish, Congress abstract
8. Szymański Wiesław, **Adamczak Rafał**, Sarap Jerzy, Ludwikowski G., Szymański Marek. [Laparoskopia w diagnostyce i leczeniu guzów jajnika.] W: Materiały Naukowe Jubileuszowego Kongresu Ginekologii Praktycznej. [Poznań, 1997] p. 36-38 : il. tab. bibliogr. Polish, Congress lecture
9. Ludwikowski G., Szymański Wiesław, **Adamczak Rafał**, Adamczewska K.. [Laparoskopowa ocena narządów miednicy mniejszej u pacjentek leczonych z powodu niepłodności po prawidłowym wyniku badania HSG.] in: Materiały Naukowe Jubileuszowego Kongresu Ginekologii Praktycznej. [Poznań, 1997] p. 122-123 : tab. bibliogr. Polish, Congress lecture
10. Szymański Wiesław, Sarap Jerzy, **Adamczak Rafał**, Pasińska M.. [Wartość diagnostyczna badania ultrasonograficznego guzów jajnika w oparciu o pooperacyjne rozpoznanie histopatologiczne.] Ginekol. Pol. 1997 : T. 68, nr 6, p. 377, bibliogr. Polish, Congress abstract
11. **Adamczak Rafał**, Szymański Wiesław, Skublicki Stanisław, Przepierski M.. [Wartość ultrasonografii w rozpoznawaniu wad wrodzonych płodu.] Klin. Perinatol. Ginekol. 1998 : T. 27, p. 368-370, tab. bibliogr. sum. Polish, Congress lecture **POL MNiSW: 2.000**
12. Szymański W[iesław], **Adamczak R[afał]**, Szymański M[arek], Czech-Stankiewicz M[ałgorzata].
Diagnostic value of ultrasonographic examination of ovary tumors based on postoperative histopathological evaluation. Gynecol. Endocrinol. 1998 : Vol. 12 suppl. 2, FC137. Foreign, Congress abstract in the supplement **ENG**

- 13.** Grabiec M[arek], Szymański W[iesław], **Adamczak R[afał]**, Jendryczka J.
Carboxy-terminal cross linked telopeptide of type I collagen (ICTP) and hormone concentrations in serum and follicular fluid in stimulated cycles of in vitro fertilization patients. W: 4th Congress of the European Society for Gynecologic and Obstetric Investigation. Madonna di Campiglio, Italy, 14-26 III 1999. Book of abstracts. [B.m., 1999], Foreign, Congress poster ENG
- 14.** **Adamczak R[afał]**, Szymański W[iesław], Adamczak I[wona], Nowak D[ariusz].
[Przydatność rutynowo stosowanych normogramów celem ultrasonograficznego określenia wieku ciążowego zarodków i płodów ludzkich.] in: The 2nd Conference of Clinical Anatomy. Warsaw, 17-19 XI 2000. A book of abstracts. Warsaw, 2000, p. 124. Polish, Congress abstract POL
- 15.** Nowak D[ariusz], Bożiłow W[ładimir], Kozłowska H., **Adamczak R[afał]**.
[Badania wrastania aorty w rozwoju prenatalnym człowieka.]
in: The 2nd Conference of Clinical Anatomy. Warsaw, 17-19 XI 2000. A book of abstracts. Warsaw, 2000, p. 44. Polish, Congress abstract POL
- 16.** Nowak D[ariusz], Bożiłow W[ładimir], Kozłowska H., **Adamczak R[afał]**.
[Badania wymiarów zewnętrznych serca u płodów ludzkich w II i III trymestrze ciąży.]
in: II Konferencja Anatomii Klinicznej. Warsaw, 17-19 XI 2000. A book of abstracts. Warsaw, 2000, p. 83. Polish, Congress abstract POL
- 17.** Szymański W[iesław], **Adamczak R[afał]**, Adamczak I[wona], Nowak D[ariusz].
[Ultrasonograficzna ocena tempa wzrastania płodów z ciąży pojedynczych i bliźniaczych].
W: The 2nd Conference of Clinical Anatomy. Warsaw, 17-19 XI 2000. A book of abstracts. Warsaw, 2000, p. 113. Polish, Congress abstract POL
- 18.** Szymański Wiesław, Kazdepka-Ziemińska Anita, Kłyszejko Czesław, Senterkiewicz Lilla, Jendryczka-Maćkiewicz Ewa, **Adamczak Rafał**, Jendryczka J..
[Ocena wpływu stężenia homocysteiny na obraz morfologiczny oocytów.] Ginekol. Pol. 2000] supl, p. 40. Polish, Congress abstract in the supplement POL
- 19.** Szymański Wiesław, Grabiec Marek, **Adamczak Rafał**, Szymański Marek, Ludwikowski G.[.Skuteczność zabiegów laparoskopowych u pacjentek leczonych z powodu policystycznych jajników (PCOS) i ciąży ektopowej w aspekcie przyszłej płodności.] Ginekol. Pol.2000] supl, p. 27. Polish, Congress abstract in the supplement POL
- 20.** Ludwikowski G., Szymański Wiesław, **Adamczak Rafał**, Adamczewska K., Grabiec Marek.[Wczesne rozpoznanie ciąży ektopowej i dalsze jej losy]. Ginekol. Pol.2000] supl, p. 269., Congress abstract in the supplement POL

21. Pasińska M[agdalen], Haus O[lga], Szymański W[iesław], Ferenc A[leksandra], Mucha B[arbara], Marcinkowska A., **Adamczak R[afał]**. [Wyniki badań cytogenetycznych u 91 par z niepowodzeniami ciążowymi]. in: The XIV Congress of the Polish Genetic Society "Genetics in service of mankind ". Poznań 11-13 VI 2001. Abstracts. [B.m., 2001] p. 145-146. Polish, Congress abstract POL
22. Pasińska M[agdalen], Haus O[lga], **Adamczak R[afał]**, Mucha B[arbara], Ferenc A[leksandra], Ludwikowski G., Masłowska I., Szymański W[iesław]. [Analiza cytogenetyczna u par z poronieniami nawykowymi w regionie Kujawsko-Pomorskim.] in: the III Congress of the Polish Society of Human Genetics "Genetics in medicine ". Poznań, 16-18 IX 2002. Poznań: Ośrodek Wydawnictw Naukowych, 2002. Program and abstracts. [B.m., 2002]p. 98. Polish, Congress abstract POL
23. **Adamczak Rafał**, Szymański Wiesław, Pasińska Magdalena, Haus Olga. [Badania diagnostyczne u dziewcząt i kobiet z zaburzeniami rozwoju cieleśnie-płciowego.] Ginekol. Pol.2003 : T. 74 supl. 1, p. 242. Polish, Congress abstract in the supplement POL
24. Korbal P., Janiszewska T., Ćwiklińska-Jurkowska M[ałgorzata], **Adamczak Rafał [afał]**, Szymański W[iesław]. [Aktywność inhibitorów układu krzepnięcia - antytrombiny i białka C we krwi obwodowej noworodków urodzonych przedwcześnie z cechami wewnątrzmacicznego zahamowania wzrastania.] in: Scientific Research Symposium in Perinatology. Warsaw Neonatology Workshop "Determinants of early development and progress in the treatment of its disorders". Warsaw, 28-29 X 2004. [B. m., 2004] p. 18. Polish, Congress abstract POL
25. Szymański W[iesław], Kazdepka-Ziemińska A[nita], **Adamczak R[afał]**, Ludwikowski Grzegorz. [Badanie stężenia homocysteiny w płynie pęcherzykowym.] in: Biologia rozrodu oraz zdrowie reprodukcyjne człowieka.] Ed. Waldemar Kuczyński. [Materials for the Symposium of the Fertility and Infertility Group of the PTG]. Białystok, 2004 p. 82. Polish, Congress abstract POL
26. Szymański W[iesław], **Adamczak R[afał]**, Pasińska M[agdalen], Ludwikowski G[rzegorz], Kazdepka-Ziemińska A[nita], Wasilewski Z.. [Analiza kliniczna stanu płodu i noworodka po zabiegach obarczających z wewnątrzmacicznie rozpoznaną wadą centralnego układu nerwowego]. Ginekol. Pol.2005: T. 76 supl. 2, p. 105. Polish, Congress abstract in the supplement POL
27. Wolski Bartłomiej, **Adamczak Rafał**, Studzińska A., Zegarska J., Szymański Wiesław. Clinical significance of scpB gene based PCR test improving *Streptococcus agalactiae* carriage screening in pregnant women. Early Hum. Dev.2008: Vol. 84 suppl, p. S50. Foreign, Congress abstract in the supplement ENG
28. Zegarska J., **Adamczak Rafał**, Wolski Bartłomiej, Szymański Wiesław, Gruszka Marzena. Comparison of delivering mothers and umbilical cord plasma interleukin-6 concentrations as a marker of early onset neonatal infection. Early Hum. Dev. 2008: Vol. 84 suppl, p. S70-S71. Foreign, Congress abstract in the supplement ENG

29. Socha Maciej W., Wolski Bartłomiej, Zegarska J., **Adamczak Rafał**, Szymański Wiesław. Fetal hypotrophy and pregnancies in women experienced hypogonadotrophic hypogonadism after biliopancreatic diversion with duodenal switch. Early Hum. Dev. 2008: Vol. 84 suppl, p. S108. Foreign, Congress abstract in the supplement ENG

30. **Adamczak Rafał**, Wolski Bartłomiej, Zegarska J., Szymański Wiesław. Partial hydatidiform mole and coexisting live fetus with normal karyotype - The dilemma of management and diagnosis - Case report. Early Hum. Dev. 2008: Vol. 84 suppl, p. S132. Foreign, Congress abstract in the supplement ENG

31. Zegarska J., Wolski B[artłomiej], **Adamczak R[afał]**, Szymański W[iesław], Dobrzyński W[aldemar], Gruszka M[arzenna]. Concentration of procalcitonin in maternal and umbilical cord plasma and the early onset neonatal infection. Ginekol. Pol. 2009: T. 80 suppl. 1E Polish, Congress abstract in the supplement ENG

32. Zegarska J[olanta], Wolski B[artłomiej], **Adamczak R[afał]**, Szymański W[iesław]. Interleukin-6 concentrations in maternal and umbilical cord plasma and the early onset neonatal infection. Int. J. Gynecol. Obstet. 2009 : Vol. 107 suppl. 2, p. 575. Foreign, Congress poster in the supplement ENG

33. Wolski B[artłomiej], Zegarska J[olanta], **Adamczak R[afał]**, Szymański W[iesław]. Serotype I, II, III distribution and antimicrobial susceptibility of *Streptococcus agalactiae* among Polish delivering women. Int. J. Gynecol. Obstet. 2009 : Vol. 107 suppl. 2, p. 575. Foreign, Congress poster in the supplement ENG

34. Zegarska J., Wolski B[artłomiej], **Adamczak R[afał]**, Szymański W[iesław], Dobrzyński W[aldemar], Gruszka M[arzenna]. Concentration of procalcitonin in maternal and umbilical cord plasma and the early onset neonatal infection. Ginekol. Pol. 2009: T. 80 suppl. 1E Polish, Congress abstract in the supplement ENG

35. Sadłecki P[aweł], Stankiewicz Mr., Bronk N., Walentowicz-Sadłecka M[ałgorzata], **Adamczak R[afał]**, Pasińska M[agdalenka], Grabiec M[arek]. [Analiza zabiegów amniopunkcji przeprowadzonych w latach 2010-2011 w Katedrze i Klinice Położnictwa, Chorób Kobiety i Ginekologii Onkologicznej CM UMK w Bydgoszczy.] in: XXXI Congress of the Polish Gynecological Society. " Women of the XXI century". Katowice, 19-22 September 2012. [Katowice, 2012] p. 122. Polish, Congress abstract POL

36. Pasińska M[agdalenia], Łazarczyk E[welina], Repczyńska A[nna], Grolik B[arbara], Runge A., Juraszek A., **Adamczak R[afal]**, Walentowicz-Sadłicka M[ałgorzata], Sadłicka P[aweł], Haus O[lga]. [Analiza badań przeprowadzonych w Katedrze i Zakładzie Genetyki Klinicznej w ramach Programu Badań Prenatalnych od 01.01.2013 do 31.03.2014.] in: VII Congress of the Polish Society of Human Genetics, Bydgoszcz, 8-10 IX 2014. A book of abstracts. [B.m., 2014] 8. Polish, Congress abstract POL

37. Ukleja-Sokołowska N[atalia], Gawrońska-Ukleja E[wa], Lis K[inga], Żbikowska-Gotz M[agdalenia], **Adamczak R[afal]**, Sokołowski Ł[ukasz]*, Bartuzi Z[bigniew].
Shrimp sensitization in house dust mite allergic patients. Allergy 2019: Vol. 74, suppl. 106, s. 254. Foreign, Congress abstract in the supplement ENG

D) Popular science lectures

- Bydgoszcz Society of Friends of Children, Society of Friends of Children with Diabetes - lectures on:
 1. "Diagnosis and management of diabetes in the puberty period" 2008.
 2. "Diabetes and procreation" 2009.
- National Day of Life, organized by the Kuyavian-Pomeranian Voivodship Office in Bydgoszcz, lecture on:
„Medical and human dimension of infertility” March 2016 .
- White Saturdays - organizer - pregnancy ultrasound and lectures:
 1. Postural defects in pregnancy 2014.
 2. Investigations in pregnancy 2015.
 3. Course of pregnancy and delivery 2016.
- Radio speech on the subject of "The need to organize infertility treatment programs" as a provincial consultant in the field of gynecological endocrinology and reproduction - Radio ESKA Bydgoszcz 2018.
- International Mother and Child Day for the inhabitants of the Kuyavian-Pomeranian Voivodeship - a lecture: Popularization of knowledge in the field of care for a newborn for high school students – 2018.
- TV presentations in a local TVP Bydgoszcz station on:
 1. Popularization of knowledge about endometriosis and proper nutrition during pregnancy -2019.
 2. The role of vaccinations among women during procreation – 2019.
- The 10th Jubilee Edition of the Bydgoszcz Science Festival organized by high schools based in Bydgoszcz; lecture:
„Application of minimally invasive techniques in gynecology” – May 2019.

- Appearance on the TV programme "Oncoczujni" episode 13.2022 - on preventive , cervical cytological screening. – Oct. 2022.
- Appearance on TVP 3 Bydgoszcz in the programme "Na Zdrowie" as an expert on prevention of cervical, endometrial and ovarian cancer. – Nov. 2022.

2.2 Information on participation in the organizational and scientific committees of national or international conferences, including the function performed.

- A) Scientific and Practical Workshops in the field of gynecological endoscopy - co-organizer and lecturer 30.05- 01.06.2001
- B) Scientific and Practical Workshop on Gynecological Endoscopy - co-organizer and lecturer, Bydgoszcz 5.06 - 5.06.2003
- C) 13th Scientific and Training Conference with Endoscopic Workshops - co-organizer and lecturer, Bydgoszcz 3.06- 4.06.2004
- D) 15th Scientific and Training Conference with Endoscopic Workshops - co-organizer and lecturer, Bydgoszcz 8.06-9.06.2006
- E) 16th Scientific and Training Conference with Endoscopic Workshops - co-organizer and lecturer, Bydgoszcz 31.05- 01.06.2007
- F) 18th scientific and training conference with endoscopic workshops - co-organizer and lecturer, Bydgoszcz, May 20-22, 2009
- G) Scientific conference "Current issues in obstetrics and gynecology" - co-organizer and lecturer, Bydgoszcz 10.10.2009
- H) 20th Jubilee Training and Scientific Conference entitled Modern Surgical Techniques in Endoscopy and Urogynecology - co-organizer of the conference, Bydgoszcz 27.05-28.05.2011
- I) 21st Science and Training Conference with Operational Workshops- co-organizer, Bydgoszcz 31.05-01.06.2012
- J) Science and Training Conference with Operational Workshops - co-organizer, Bydgoszcz May 24 - May 25, 2013
- K) International Operational Workshops - co-organizer and lecturer , Bydgoszcz 30.05.2014
- L) International Laparoscopic Workshops - co-organizer and lecturer, Bydgoszcz 10.06.2016
- M) Prenatalia 2022 Love in the times of Covid - member of the scientific committee and lecturer, Toruń May 6 - May 7, 2022

2.3 Information on the participation in the work of research teams implementing projects financed through national or foreign competitions, broken down into completed and ongoing projects, and including information on the function performed within the team's work.

1. Diagnostic investigations in girls and women with disorders of sexual and bodily development - BW 36/2000 - Research project manager.
2. Clinical evaluation of patients with disorders of bodily and sexual development - BW 92/2000 - Research project manager.
3. Genetic basis of recurrent spontaneous abortions - BW 9/2001 - member of the research team.

2.4 Membership in international or national scientific organizations and societies with information about their functions.

- Polish Society of Gynecologists and Obstetricians – member
- Polish Society of Reproductive Medicine and Embryology – member
- ESHRE European Society of Human Reproduction and Embryology – member

2.5 Information on internships at scientific or artistic institutions, including foreign, with the place, date, duration and nature of the internship

- 08.1995 - 1 week internship - Infertility Treatment Center Sophia Ziekenhuis Zwolle – Netherlands.
- 22.03-26.03.2000 - 1 week internship - Practical endocrinology for gynecologists Weimar – Germany.
- 01.07.2016-31.07.2016 - 1 month internship - Infertility Treatment Center Parens Lviv – Ukraine.
- 24.06.2019-24.07.2019 – 1 month internship - Center de Sante Psychique a Roubaix in France - Assessment of mental disorders in patients treated for infertility Roubaix – France.
- 09.2021-10.2021 research internship - 1 month - West Ukrainian Medical Center of Clinical Immunology and Allergology in the Lviv Provincial Clinical Diagnostic Center and in the Department of Clinical Immunology and Allergology of the “Danil Halicki” Lviv National Medical University.

The above-mentioned internships allowed me to get acquainted with various infertility problems and treatment methods in various European countries.

2.6 Information on peer-reviewed scientific or artistic works, in particular those published in international journals.

1. International Journal of Immunopathology and Pharmacology
2. Astma, Alergia Immunologia Kliniczna
3. BMC Medical Genomics
4. Allergy
5. Journal of International Medical Research
6. Medicin
7. Revue Française d'Allergologie

3.0 Information on scientific impact

- **Index H = 4 (Web of Science)**
- **Index H = 5 (Scopus)**
- **Citations 41 (Web of Science)**
- **Citations 61 (Scopus)**

	Total	Before doctoral degree	After doctoral degree
IF	42,876+ accepted for print 1,664= 44,540 IF	0	42,876+ accepted for print 1,664= 44,540 IF
KBN/MNiSzW score	1181,500+accepted for print 70= 1251,500 pkt	35 points	1146,500+accepted for print 70 = 1216,500 pkt
<u>First authorship</u> IF	8,423+ accepted for print 1,664 = 10,087 IF	0	8,423+ accepted for print 1,664 = 10,087 IF
<u>First authorship</u> KBN/MNiSzW score	200 pkt + accepted for print 70pkt = 270 pkt	35 pkt	165 pkt + accepted for print 70 pkt = 235 pkt

