

Curriculum Vitae

Name: Prof Krzysztof Jan Łukaszuk, MD, PhD

Current employment:

INVICTA Clinics and Medical Laboratories: Medical Director of Infertility Clinics

Gdansk Medical University, Faculty of Health Sciences with Subfaculty of Nursing and Institute of Maritime and Tropical Medicine – Chair of Department of Obstetrics and Gynecological Nursing

Medical University of Warsaw, Department of Gynecological Endocrinology



Education:

Gdansk Medical University (1993)

Doctorate: Gdansk Medical University (1998)

Habilitation: Gdansk Medical University (2004)

Professorship: Gdansk Medical University (2009), Presidential nomination – title of Professor of Medical Sciences (2011)

Medical Specializations:

Obstetrics and gynecology Lv. I (1997)

Obstetrics and gynecology Lv. II (2000)

Endocrinology (2012)

Gynecological Endocrinology and Reproduction (2015)

Membership

Polish Gynecological Society

Polish Society of Andrology

Polish Society of Human Genetics

European Society of Human Reproduction and Embryology (ESHRE)

Endocrine Society

American Society for Reproductive Medicine (ASRM)

Preimplantation Genetics Diagnosis International Society (PGDIS)

Conference lectures

1. 18th World Congress of the International Society of Gynecological Endocrinology, Florence, Italy (3/2018); Lecture: Endometrial Receptivity and Repeated Implantation Failure
2. Congress “Nasza Ginekologia 2017”, Warsaw, Poland (10/2017); Lecture: ABC of female infertility diagnosis
3. Conference of the Polish Society of Reproductive Medicine, Warsaw, Poland (9/2017); Lecture: Is AMH a good biomarker of oocyte quality?

4. Eastern European Professional Meetings: Recurrent Pregnancy Loss, Kiev, Ukraine (9/2017); Lecture: Role of genetic testing in repeated pregnancy loss and repeated implantation failure
5. 1st ARC International Infertility Medical Meeting, Chennai, India (5/2017); Lectures: Hormonal assessment for infertility patients; Trustworthiness of AMH assays
6. Gynaecological Endocrinology and Reproduction training course, Poznan, Poland (5/2017), Lectures: Development and future of preimplantation diagnosis, and Role of genetic counseling in the treatment of infertility
7. 17th World Congress on Human Reproduction, Rome, Italy (3/2017); Lecture: Role of genetic testing in repeated pregnancy loss and repeated implantation failure; oral abstract presentation: New possibilities of in point of care measurement by VIDAS - Anti-müllerian hormone decline from the beginning of controlled ovarian stimulation to oocyte retrieval
8. Specialist workshops of PTMRIE and OSnPC „What’s in ovarian induction” (1/2017); Lecture: Dynamics of AMH changes in stimulated and natural cycles
9. XIV Congress of the Ukrainian Gynecological Society, Kiev, Ukraine (9/2017); Lecture: Clinical application of the ovarian reserve assessment considering changing diagnostic possibilities
10. bioMérieux VIDAS AMH Workshop, Helsinki, Finland (7/2016); Lecture: Clinical needs in infertility management
11. 3th International Conference of Endocrinology of Reproduction, Warsaw, Poland (6/2016); Lecture: Hyperglycosylated hCG
12. Conference of the Andrology section of the Polish Gynecological Society, Lodz, Poland (6/2016), Lecture: Genetic aspects of male infertility
13. Gynaecological Endocrinology and Reproduction training course, Poznan, Poland (5/2016), Lectures: Development and future of preimplantation diagnosis, and Role of genetic counseling in the treatment of infertility
14. Conference - Gynaecological Endocrinology and Reproduction, Cracow, Poland (5/2016), Lecture: Recurrent Pregnancy Loss
15. Updates in Infertility Treatment (1/2016), Lisbon, Portugal; Lecture: Practical aspects of using AMH as a dose adjustment for gonadotropins stimulation
16. Conference of the Polish Society of Reproductive Medicine, Katowice, Poland (11/2015), Lecture: Innovation for the Next Generations – Progress in Preimplantation Genetic Diagnosis
17. XXXII Congress of the Polish Gynecological Society, Lodz, Poland (9/2015), Lecture: Personalized medicine based on genetic predispositions
18. Medical Conference of the Pomeranian Law Chamber, Medical and Pharmaceutical Law, Gdansk, Poland (11/2015), Lecture: In vitro - truths, myths, challenges
19. 11th World Congress of the European Society of Gynecology (ESG) w Pradze (10/2015), Lecture: Next Generation Sequencing and new opportunities for Preimplantation Genetic Diagnosis
20. Annual Conference of the Russian Reproductive Medicine Society, Sochi, Russia (9/2015) Embryology precourse: "Technical aspects of Next Generation Sequencing implementation in routine clinical practice." and main congress lecture: "Next Generation Sequencing and new opportunities for Preimplantation Genetic Diagnosis."
21. European Human Genetics Conference 2015, Glasgow, UK (6/2015): Preimplantation Genetic Testing Using Ion Torrent™ PGM™
22. Lecture for the Polish Gynecological Society in Wroclaw (4/2015): Clinical application of the ovarian reserve assessment considering changing diagnostic possibilities
23. Workshops of the International Federation of Medical Students Associations IFMSA-Poland (1/2015): Infertility in the 21st century
24. Lecture for the Polish Gynecological Society in Katowice (12/2014): Application of next generation sequencing in preimplantation genetic diagnosis PGD NGS

25. Lecture for the Polish Gynecological Society in Wrocław (10/2014): Application of next generation sequencing in preimplantation genetic diagnosis PGD NGS
26. VII Congress of Polish Human Genetics Society (09/2014): Application of next generation sequencing in preimplantation genetic diagnosis PGD NGS
27. Annual Congress of the Polish Society of Reproductive Medicine (09/2014): Clinical application of the ovarian reserve assessment considering changing diagnostic possibilities
28. Annual Andrological Society Meeting (09/2014): PGD – Preimplantation genetic diagnosis
29. Nordic Fertility Society 2014 (01/2014): Preimplantation genetic diagnosis HLA for X-linked immunoproliferative syndrome
30. Winter Forum 2013 (02/2013): AMH and Others – Practical Guidelines for Treatment Decision

Publications

1. Płociennik L, Nelson SM, Łukaszuk A, Kunicki M, Podfigurna A, Meczekalski B, Łukaszuk K, Age-related decline in AMH is assay dependent limiting clinical interpretation of repeat AMH measures across the reproductive lifespan, *Gynecological Endocrinology* Vol. 34, Iss. 2, 2018
2. Iliodromiti S, Salje B, Dewailly D, Fairburn C, Fanchin R, Fleming R, Li HWR, Łukaszuk K, Hung Yu Ng E, Pigny P, Tadros T, van Helden J, Weiskirchen R, Nelson SM; Non-equivalence of anti-Müllerian hormone automated assays—clinical implications for use as a companion diagnostic for individualised gonadotrophin dosing; *Hum Reprod* 2017 1-6. doi: 10.1093/humrep/dex219
3. Lewandowska A, Macur K, Czaplewska P, Liss J, Łukaszuk K, Oldziej S, Qualitative and quantitative analysis of proteome and peptidome of human follicular fluid using multiple samples from single donor with LC-MS and SWATH methodology, *Journal of Proteome Research* 2017 (zaakceptowany do publikacji)
4. Liss J, Kunicki M, Czyżyk A, Pastuszek E, Zabielska J, Meczekalski B, Łukaszuk K, Clinical Utility of Different anti-Müllerian hormone - AMH Assays for the purpose of pregnancy prediction, *Gynecological Endocrinology* 2017 (przyjęty do druku)
5. Pastuszek E, Łukaszuk A, Kunicki M, Mockun J, Kloss G, Malinowska I, Czyżyk A, Meczekalski B, Łukaszuk K, New AMH assay allows rapid point of care measurements of ovarian reserve, *Gynecological Endocrinology* 2017 (przyjęty do druku)
6. Pastuszek E, Kiewisz J, Skowronska P, Liss J, Łukaszuk M, Bruszczyńska A, Jakiel G, Łukaszuk K, An investigation of the potential effect of sperm nuclear vacuoles in human spermatozoa on DNA fragmentation using a neutral and alkaline Comet assay, 2017 Mar;5(2):392-398, doi: 10.1111/andr.12324
7. Łukaszuk K, Pastuszek E, Samojedny A. Comment on: "Intracytoplasmic morphologically selected sperm injection (IMSI) does not improve outcome in patients with two successive IVF-ICSI failures" by Gatimel et al. *J Assist Reprod Genet* [Internet]. 2016; doi:10.1007/s10815-016-0746-9
8. Meczekalski B, Czyżyk A, Kunicki M, Podfigurna-Stopa A, Płociennik L, Jakiel G, Maciejewska-Jeske M, Łukaszuk K. Fertility in women of late reproductive age: the role of serum anti-Müllerian hormone (AMH) levels in its assessment. *J Endocrinol Invest*. 2016 Jun 14. [Epub ahead of print]"
9. Łukaszuk K, Jakiel G, Kuczyński W, Pukszta S, Liss J. Next generation sequencing for preimplantation genetic testing of blastocysts aneuploidies in women of different ages. 2016;23(1):163–6.
10. Liss J, Chromik I, Szczygłinska J, Jagiello M, Łukaszuk A, Łukaszuk K. Current Methods for Preimplantation Genetic Diagnosis. *Ginekol Pol*. 2016;87(7):522–6.
11. Kunicki M, Łukaszuk K, Liss J, Skowrońska P, Szczyptańska J. Granulocyte colony stimulating factor treatment of resistant thin endometrium in women with frozen-thawed blastocyst transfer. *Syst Biol Reprod Med*. 2016 Nov 22:1-9. [Epub ahead of print] PubMed PMID: 27874292."
12. Skowrońska P, Pastuszek E, Kuczyński W, Jaszczół M, Kuć P, Jakiel G, Wocławek-Potocka I, Łukaszuk K. The role of vitamin D in reproductive dysfunction in women - a systematic review. *Ann Agric Environ Med*. 2016 Dec 23;23(4):671-676.
13. Krzysztof Łukaszuk 1,2,3, Łukasz Płociennik 1, Aron Łukaszuk 1, Dorota Białobrzęska D; The heterogeneity of AMH depletion models across assays in 12917 woman; 2015 ASRM Annual Meeting; Baltimore 10/2015
14. Liss J, Bruszczyńska A, Pukszta S, Łukaszuk K, The frequency of aneuploidy status of day 5 and day 6 blastocysts assessed by next-generation sequencing technology (NGS) application, 31th Annual Meeting of the European Society of Human Reproduction and Embryology, plakat, Lizbona, 06/2015

15. Łukaszuk K, Kuczyński W, Puksza S, Liss J, Kulwikowska P, Zabielska J; Aneuploidy Screening in Blastocoel Fluid During Next Generation Sequencing (NGS)-Based Preimplantation Genetic Diagnosis (PGD); Controversies in preconception, preimplantation and prenatal genetic diagnosis: How will genetics technology drive the future? (CoGEN); Paryż 9/2015"
16. Łukaszuk K, Kunicki M, Liss J, Jakiel G; Could serum dehydroepiandrosterone sulphate (DHEAS) concentration and the models incorporating it help clinicians to predict IVF outcomes in women with normal ovarian reserve undergoing their first long protocol; 11th World Congress of the European Society of Gynecology (ESG), Praga 10/2015
17. Łukaszuk K, Liss J, Puksza S, Wells D, Cybulska C, Łukaszuk A, Zabielska J; Relationship between cleavage-stage embryo's developmental potential and their mitochondrial DNA content assessed by next generation sequencing (NGS), Ovarian Club VI, Barcelona 11/2015
18. Łukaszuk K, Ludwikowska B, Kłos G, Malinowska I, Jakiel G, Zabielska J, Kulwikowska P, OC reduce ovarian reserve assessment values in duration and dose dependent manner, Fertility Control Club, Barcelona 02/2015
19. Łukaszuk K, Nelson SM, Pastuszek E, Kłoss G, Malinowska I, Liss J, Łukaszuk A, Kunicki M, Płóciennik Ł; Validity of new automated AMH assay versus manual tests; 11th World Congress of the European Society of Gynecology (ESG), Praga 10/2015
20. Łukaszuk K, Puksza S, Kuczyński W, Cybulska C, Liss J, Zabielska J, Mitochondrial DNA copy number assessed using next generation sequencing (NGS), as a selection criteria for viable embryo for transfer, 31th Annual Meeting of the European Society of Human Reproduction and Embryology, plakat, Lizbona, 06/2015
21. Puksza S, Łukaszuk K, Cybulska C, Liss J, Płóciennik Ł, Kuczynski W, Wójcicka L, Kulwikowska P, Zabielska J, The impact of next-generation sequencing (NGS) preimplantation genetic diagnosis (PGD) on pregnancy rate after frozen blastocyst embryo transfer, 31th Annual Meeting of the European Society of Human Reproduction and Embryology, plakat, Lizbona, 06/2015
22. Kunicki M, Łukaszuk K, Liss J.; DHEA in women with hypoandrogenism—debate remains open ; Nature Reviews Endocrinology; 07/2015; 11(9). DOI:10.1038/nrendo.2015.107
23. Łukaszuk K, Kuczyńska A, Puksza S, Kuć P, Kuczyński W, Łukaszuk J, et al. Pierwsze na świecie zastosowanie sekwencjonowania następnej generacji w praktyce klinicznej w diagnostyce przedimplantacyjnej – opis przypadku The application of the next generation sequencing in the preimplantation genetic diagnostics – a case report. 2015;1(1):93–6.
24. Łukaszuk K, Puksza S, Ochman K, Cybulska C, Liss J, Pastuszek E, Zabielska J, Woclawek-Potocka I.; Healthy Baby Born to a Robertsonian Translocation Carrier following Next-Generation Sequencing-Based Preimplantation Genetic Diagnosis: A Case Report ; AJP Reports; 07/2015; 5(2). DOI:10.1055/s-0035-1558402
25. Łukaszuk K, Wcisło M, Liss J, Stachowicz A, Jakiel G, Łukaszuk M, Pastuszek E, Woclawek-Potocka I, Galvao A, Białobrzaska D; First Pregnancy, Somatic and Psychological Status of a 4-Year-Old Child Born following Annexin V TESA Sperm Separation ; AJP Reports; 04/2015; 5(2). DOI:10.1055/s-0035-1548726
26. Kunicki M, Łukaszuk K, Jakiel G, Liss J.; Serum Dehydroepiandrosterone Sulphate Concentration Is Not a Predictive Factor in IVF Outcomes before the First Cycle of GnRH Agonist Administration in Women with Normal Ovarian Reserve ; PLoS ONE; 03/2015; 10(3):e0118570. DOI:10.1371/journal.pone.0118570
27. Liss J, Kiewisz J, Zabielska J, Kulwikowska P, Łukaszuk K; Application of FISH method for preimplantation genetic diagnostics of reciprocal and Robertsonian translocations ; Folia Histochemica et Cytobiologica; 07/2015; 53(2). DOI:10.5603/FHC.a2015.0017
28. Łukaszuk K, Kunicki M, Kulwikowska P, Liss J, Pastuszek E, Jaszczolt M, Męczekalski B, Skowroński K; The impact of the presence of antithyroid antibodies on pregnancy outcome following intracytoplasmic sperm injection-ICSI and embryo transfer in women with normal thyreotropine levels ; Journal of endocrinological investigation; 08/2015; 38(12). DOI:10.1007/s40618-015-0377-5
29. Łukaszuk K, Liss J, Kunicki M, Kuczynski W, Pastuszek E, Jakiel G, Płóciennik Ł, Zielinski K, Zabielska J, Estradiol Valerate Pretreatment in Short Protocol GnRH-Agonist Cycles versus Combined Pretreatment with Oral Contraceptive Pills in Long Protocol GnRH-Agonist Cycles: A Randomised Controlled Trial, BioMed Research International, Volume 2015 (2015), Article ID 628056, 6 pages, <http://dx.doi.org/10.1155/2015/628056>
30. Łukaszuk K, Wcisło M, Liss J, Stachowicz A, Jakiel G, Łukaszuk M, Pastuszek E, Woclawek-Potocka I, Galvao A, Białobrzaska D, First Pregnancy, Somatic and Psychological Status of a 4-Year-Old Child Born following Annexin V TESA Sperm Separation, AJP Rep, DOI: 10.1055/s-0035-1548726

31. Kunicki M, Łukaszuk K, Jakiel G, Liss J, Serum Dehydroepiandrosterone Sulphate Concentration Is Not a Predictive Factor in IVF Outcomes before the First Cycle of GnRH Agonist Administration in Women with Normal Ovarian Reserve, PLoS One. 2015 Mar 4;10(3):e0118570. doi: 10.1371/journal.pone.0118570. eCollection 2015.
32. Łukaszuk K, Pukszta S, Wells D, et al. Routine use of next-generation sequencing for preimplantation genetic diagnosis of blastomeres obtained from embryos on day 3 in fresh in vitro fertilization cycles. Fertil Steril. 2015;1-6. doi:10.1016/j.fertnstert.2014.12.123.
33. Milewski R, Kuć P, Kuczyńska A, Stankiewicz B, Łukaszuk K, Kuczyński W. A predictive model for blastocyst formation based on morphokinetic parameters in time-lapse monitoring of embryo development. J Assist Reprod Genet. 2015;32(4):571-579. doi:10.1007/s10815-015-0440-3.
34. Łukaszuk K, Kunicki M, Liss J, Bednarowska A, Jakiel G., Probability of live birth in women with extremely low anti-Müllerian hormone concentrations. Reprod Biomed Online 2014; 28:64-69. IF: 2,675, MNiSW: 30
35. Łukaszuk K, Kunicki M, Jakiel G. Antimüllerian hormone generation II assay nomogram. Fertil Steril. 2014.
36. Łukaszuk K, Ludwikowska B, Liss J, Kunicki M, Sawczak M, Łukaszuk A, et al. Decreasing quality of the new generations of anti-müllerian hormone assays. BioMed Research International. 2014;2014.
37. Kunicki M, Łukaszuk K, Woclawek-Potocka I, Liss J, Kulwikowska P, Szczyptańska J. Evaluation of granulocyte colony-stimulating factor effects on treatment-resistant thin endometrium in women undergoing in vitro fertilization. BioMed Research International. 2014;2014.
38. Łukaszuk K, Kunicki M, Liss J, Łukaszuk M, Jakiel G., Use of ovarian reserve parameters for predicting live births in women undergoing in vitro fertilization. Eur J Obstet Gynecol Reprod Biol. 2013; 168: 173-177. IF:1,843, MNiSW: 25
39. Michalska D, Jaguszewska K, Liss J, Kitowska K, Mirecka A, Łukaszuk K., Comparison of whole genome amplification and nested-PCR methods for preimplantation genetic diagnosis for BRCA1 gene mutation on unfertilized oocytes-a pilot study. Hered Cancer Clin Pract. 2013; 11:10. IF: 1,714, MNiSW: 15
40. Łukaszuk K, Kunicki M, Liss J, Bednarowska A, Jakiel G., Probability of live birth in women with extremely low anti-Müllerian hormone concentrations. Reprod Biomed Online 2014; 28:64-69. IF: 2,675, MNiSW: 30
41. Kłoss GA, Maj B, Łukaszuk K., Porównanie wyników oznaczeń wolnej podjednostki β ludzkiej gonadotropiny kosmówkowej (F β HCG) i ciążowego białka osocznego A (PAPP-A) zyskanych przy zastosowaniu dwóch technologii pomiarowych: TRACE i 6ECLA., J Diagn Lab. 2013; 49 (3): 225-231. MNiSW: 3
42. Pastuszek E, Liss J, Kulwikowska P, Wiśniewska J, Łukaszuk K., Influence of acupuncture on pregnancy rates in women undergoing in vitro fertilization., Pol Ann. Med. 2013; 20 (2):117-123. MNiSW: 6
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44. Łukaszuk K, Liss J, Jakiel G. Ginekolog. 2011 Nov;82(11):812-6. "Internal coasting" for prevention of ovarian hyperstimulation syndrome (OHSS) in IVF/ICSI. INVICTA Fertility and Reproductive Center, Gdansk, Poland.
45. Liss J, Mirecka A, Kitowska K, Łukaszuk K., Preimplantation genetic diagnosis of hearing loss with 35delG mutation in GJB2 gene - preliminary report. Otolaryngol Pol. 2011 Nov-Dec;65(6):443-6. doi: 10.1016/S0030-6657(11)70738-7. Polish.
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51. Liss J, Łukaszuk K, Bruszczyńska A, Szczerkowska Z, Rebala K. Pregnancy and life after preimplantation genetic diagnosis of smith-lemli-opitz syndrome. *Fertil Steril*. 2008;90(5):2011.e13,2011.e16.
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