

EAA Andrology Training Centre
Centre Report

2026

Riga Andrology centre, Riga, Latvia

CENTRE REPORT

History of Centre

Riga Andrology centre has been established in 2016 as a joint venture of a private Infertility Treatment and Reproductive Genetics clinic “IVF-Riga” and Andrology Research laboratory of Riga Stradins University. In 2022, a post-graduate study program (residency training program) in andrology commenced at Riga Stradins University, and Riga Andrology centre is serving as a clinical and educational basis for the theoretical and clinical studies for this study program.

Andrology Research laboratory of Riga Stradins University has been established in 2004 (led by EAA full member Dr. Juris Erenpreiss), and now has become an Andrology unit of Molecular Genetics Research laboratory of University. Infertility Treatment and Reproductive Genetics clinic “IVF-Riga” has been a partner for many years in many research activities of the Andrology Research laboratory, providing a biological material from infertile men for different research projects.

Andrology is a recognized medical sub-specialty in Latvia since 2009, however, a 2 years full-time study program in andrology of the Riga Stradins University has started from 2022. A study program is available for medical doctors with different specialization; however, the priority is given to urologists, endocrinologists and specialists of internal medicine. Andrology centre of Infertility Treatment and Reproductive Genetics clinic “IVF-Riga” serves as a clinical basis for most of the clinical and research activities of the 2 years andrology study program of the Riga Stradins University, in collaboration with Urology and Endocrinology Departments of University Hospital, and Andrology unit of University Molecular Biology Research laboratory of Riga Stradins University.

Areas of clinical attention of Riga Andrology Centre include: a) infertility diagnosis and treatment, including genetic diagnosis and counseling; b) diagnosis and treatment of sexual dysfunctions; c) diagnosis and treatment of male reproductive endocrine disorders; d) diagnosis and treatment of male accessory gland infections; e) diagnosis and treatment of uro-andrological disorders.

Main research focuses on sperm DNA integrity, genetic factors behind male infertility, male ageing, pre-implantation genetic diagnosis, population studies on

male reproductive health.

Organization of Centre

Riga Andrology centre

Head

Juris Erenpreiss, MD, PhD (EAA full member, EAA certified clinical andrologist)

Staff members

Dr. Klim Leonenko (urologist)
 Dr. Georgijs Kirakozovs (urologist)
 Dr. Tatjana Zake (endocrinologist)
 Dr. Jana Baranova (endocrinologist)
 Dr. Violeta Fodina (gynaecologist)
 Dr. Irina Kalvane (gynaecologist)
 Dr. Alina Seleznova (gynaecologist)
 Dr. Julija Tarasova (gynaecologist)
 Dr. Ieva Grinfelde (genetician)
 Dr. Liene Kornejeva (genetician)
 Dace Enkure, PhD (molecular genetician)
 Andris Grunskis, MSci (head, semen and embryology lab)
 Ruta Romanosa, MSci (semen and embryology lab)
 Artemijs Agzamovs (semen and embryology lab)

Outpatient clinics

Andrology and sexology (Dr. Erenpreiss)
 Andrology and urology (Dr. Leonenko, Dr. Kirakozovs)
 Gynecology and female infertility (Dr. Fodina, Dr. Kalvane, Dr. Seleznova, Dr. Tarasova)
 Endocrinology (Dr. Zake, Dr. Baranova)
 Reproductive genetics (Dr. Kornejeva, Dr. Grinfelde)

Embryology and semen laboratory

Head - Andris Grunskis, MSci
 Ruta Romanosa, MSci
 Artemijs Agzamovs

Ultrasound

Dr. Erenpreiss (andrological US)
 Dr. Leonenko (urological and andrological US)
 Dr. Vedmedovska (US pregnancy monitoring)

Ovarian stimulation, oocyte retrieval, embryo transfer

Gynaecologists Dr. Fodina, Dr. Kalvane, Dr. Seleznova, Dr. Tarasova
Operation nurses E. Araja, Anita Majauska, Daria Kovaleva

PESA/TESE/m-TESE

Dr. Leonenko, Dr. Kirakozovs

Research team

Linda Gailite, MD, PhD, head of the Scientific Molecular Genetics laboratory,
Oncology and Molecular Genetics Institute Riga Stradins University
Juris Erenpreiss, MD, PhD, senior researcher, Scientific Molecular Genetics
laboratory, Oncology and Molecular Genetics Institute, Riga Stradins University
Violeta Fodina, MD, PhD, head of clinic IVF-Riga
Agrita Puzuka, assist.prof., Riga Stradins University
Baiba Cielena (former Alksere), PhD student, Riga Stradins University
Marija Lazovska, PhD student, Riga Stradins University

Educational activities

For four years, the post-graduate fellows - trainees in endocrinology, urology, gynecology, sexual medicine of Medical Faculties of Latvian Universities are undertaking 1-3 month theoretical and clinical studies in andrology at Riga Andrology centre (3 month training in andrology is a mandatory course for all residents in endocrinology in Latvia, for other specialties it is a compulsory course).

From 2022, a 2 years full time post-graduate study program (residency) in andrology has been implemented at the Riga Stradins University post-graduate curriculum, as a sub-speciality for urologists, endocrinologists, gynecologists, internal medicine specialists. Riga Andrology centre is serving as a clinical basis for almost all educational and teaching activities for this study program in andrology, in collaboration with Andrology unit of Molecular Genetics Research lab of Riga Stradins University, and Urology and Endocrinology Departments of Medical Faculty of University of Latvia.

In 2022, the first trainee (urologist) was enrolled into this andrology program at our Centre. Dr. Andris Abele graduated in 2024, and passed also the EAA clinical andrology exam in 2025. At the moment there are two another second year trainees in andrology program – one urologist and one endocrinologist.

Research activities

Research activities by head of Riga Andrology centre Dr. Juris Erenpreiss and his group at Andrology unit of Riga Stradins University have been focused on:

- 1) Elaboration of new tests for assessment of sperm DNA integrity, the biological aspects of sperm chromatin structure, and clinical significance of sperm DNA integrity in male infertility (Erenpreiss et al., 2001, 2002, 2004, 2006a, 2006b, 2008; Bungum et al., 2007; Tsarev et al., 2009; Mafhouz et al., 2009);
- 2) Reproductive health of young Latvian and European men - a research project that was started within the 5th EU framework project "Environment and Reproductive Health", and was extended further beyond this particular project (Tsarev et al., 2005; Damsgaard et al., 2016; Jorgensen et al., 2016; Erenpreiss et al., 2017). Also, the significance of seminal markers and genetic factors in relation to semen quality and male infertility has been addressed (Elzanaty et al., 2007; Puzuka et al., 2011; Stavasis et al., 2016), including the interplay between the effects of reproductive hormones and genetic factors - genes of hormones and their receptors that are modulating the effect of these hormones (Grigorova et al., 2011, 2013, 2014, 2017; Punab et al., 2015);
- 3) We have been also investigating issues of aging men (Erenpreiss et al., 2019), pre-implantation genetic diagnosis and genetic factors behind male infertility (Alksere et al., 2019; Fodina et al. 2021)
- 4) The latest and current studies include studies genome instability (based on whole exome studies) research in men with severe male factor infertility (Puzuka et al., 2021; Alksere et al., submitted); and investigation of biological significance and eventual clinical application of cell-free DNA in semen in infertile men (Lazovska et al., submitted).

Right now there are two PhD students involved in clinical and research activities of Riga Andrology centre.

Clinical activities

Clinical activities of Riga Andrology centre include the following outpatient clinics: Andrology and sexology; Gynecology and female infertility; Urology; Endocrinology, and Reproductive Genetics clinics. Main emphasis of the clinical activities focuses on infertility diagnosis and treatment, however, other andrological problems (sexual and erectile dysfunction, male hormonal disorders including different types of hypogonadism, MAGI), urological diseases (prostate diseases, male and female urinary problems, kidney diseases), endocrinological diseases (metabolic syndrome; thyroid, adrenal and pancreas dysfunction) and are also addressed at Riga Andrology centre.

Riga Andrology centre has a well-established Embryo and semen laboratory, which is performing semen analysis according to the WHO guidelines, and participates in annual external QC scheme provided by Karolinska ANOVA (Sweden). Also functional semen tests (as defined by the current WHO guidelines) are run by the semen lab:

- a) sperm DNA integrity tests (by Halokit, or sperm chromatin dispersion test, and also by the Toluidine blue test that has been elaborated by a research group of Dr. Juris Erenpreiss (Tsarev et al., 2009)).
- b) other functional tests like HBA assay, MAR test, sperm-cervical mucus interaction test in-vivo, red-ox potential of semen by MyOXSYS test

Ultrasound investigations of male genital tract (testicles, prostate and seminal vesicles, penis Doppler ultrasonography) are performed on the daily basis at Riga Andrology centre. Ultrasound investigations of the other urological, gynecological and abdominal cavity organs are also routinely performed.

IVF treatment is performed on the daily basis, with several oocyte retrieval and embryo transfer procedures per day.

PESA, TESE, m-TESE are also performed routinely at Riga Andrology centre. Small urological operations like hydrocele surgical treatment, penile circumcisions, etc. are also performed at the operation theater of Riga Andrology centre, as well as microsurgical varicocele operations. For bigger operations like laparoscopic operations and others - patients are referred to the Urological Department of University Hospital.

Genetic testing like karyotype, Y chromosome microdeletions, CFTR gene mutations, PGT-A testing, and many other genetic analyses are performed routinely at the Genetic laboratory of the Infertility Treatment and Reproductive Genetics clinic "IVF-Riga", that is adherent to the Riga Andrology centre. Patients with genetic abnormalities are counseled by andrologist, gynecologist, or clinical genetician.

Name and address of Centre

Riga Andrology centre, Infertility Treatment and Reproductive Genetics clinic "IVF-Riga", Zaļā iela 1, Riga, LV-1010, Latvia

Type of Centre

University

University Hospital

Private Centre

x

Other (please specify)

Clinical, educational and research activities of Riga Andrology centre are executed in tight collaboration with Post-graduate Department of Riga Stradins University, and Andrology unit of Molecular Genetics Research laboratory of Riga Stradins University

1. Director

Juris Erenpreiss, MD, PhD

Academician ☒Affiliated Member ☐Clinical Andrologist ☒**2a. Clinical responsible**

Juris Erenpreiss

Academician ☒Affiliated Member ☐Clinical Andrologist ☒**2b. Clinical responsible**

Violeta Fodina, MD, PhD

Academician ☐Affiliated Member ☐Clinical Andrologist ☐**2c. Clinical responsible**

Klim Leonenko, MD

Academician ☐Affiliated Member ☐Clinical Andrologist ☐

3. Present Staff (*Senior Scientists*)

1) Name Violeta Fodina
 Degree MD, PhD
 Speciality Gynecology

Academician ☐Affiliated Member ☐Clinical Andrologist ☐

2) Name Dace Enkure
 Degree PhD
 Speciality Molecular genetics

Academician ☐Affiliated Member ☐Clinical Andrologist ☐

3) Name Linda Gailite
 Degree MD, PhD
 Speciality Molecular and clinical genetics

Academician ☐Affiliated Member ☐Clinical Andrologist ☐

4) Name Agrita Puzuka
 Degree MD, PhD
 Speciality Biology and molecular genetics

Academician ☐Affiliated Member ☐Clinical Andrologist ☐

Insert any additional staff below (if required)**MD/Biologists/Chemists**

1) Name Andris Grunskis
 Degree MSci
 Speciality Biology
 Full time/part time Full time

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

2) Name Ruta Romanosa
 Degree MSci
 Speciality Biology
 Full time/part time Full time

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

3) Name Marija Lazovska
 Degree MSci, PhD student
 Speciality Biology
 Full time/part time Full time

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

4) Name Baiba Alksere
 Degree MSci, PhD student
 Speciality Molecular and clinical genetics
 Full time/part time Full time

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

Insert any additional staff below (if required)**Nurses**

1) Name Evita Arāja, head nurse
 2) Name Daria Kovaleva, operation nurse
 3) Name Anita Majauska, out-patient clinic nurse

Laboratory Technicians

1) Name Artemija Agzamovs, BSci

Administrative Personnel

1) Name Ilze Pudzha, patient co-ordinator

4. Clinical Activity

A. Outpatients: Consultations per year in the last 3 years

All outpatient consultations at IVF-Riga clinic

	2023	2024	2025
New patients	5313	5071	5693
Follow-up patients	10155	9995	9940

Andrological outpatient consultations at IVF-Riga clinic Andrology centre

	2023	2024	2025
New patients	793	832	1162
Follow-up patients	916	997	1130

B. Ultrasound (testis, penile, prostate) *

	2023	2024	2025
Testis	243	351	278
Trans-rectal prostate	22	10	43
Penile Doppler	66	79	87

** performed at the Riga Andrology centre*

C. Andrological surgery procedures

	2023	2024	2025
Testicular biopsies (TESE)	8	7	5
Testicular aspirations (TESA)	0	2	2
Epididymal aspirations (PESA)	5	4	8

Type of patients in the last years (%)	2023	2024	2025
Infertility	36	42	32
Erectile dysfunction	35	34	39
Hypogonadotropic Hypogonadism	4	5	7
Klinefelter	2	3	5
Gynaecomastia	2	2	3
Varicocele	18	21	22
Cryptorchidism	6	5	7
Male sex accessory gland infections	21	17	18

Testicular tumours	3	2	3
Disorders of gender identity	0	0	0

C. Andrological surgery procedures

	2023	2024	2025
Testicular biopsies	8	7	5
Varicocele ligation	0	1	5
Prostate biopsies	0	0	0
BPH	0	0	0
Prostate cancer	0	0	0
Vasectomy	0	0	0
Vaso-vasostomy	0	0	0
Other (circumcisions, spermatocele, hydrocele)	26	23	25

5. A. Andrology laboratory activity

	2023	2024	2025
Semen analyses	920	1045	1801
Sperm antibodies	920	1045	1801
Seminal markers	13	12	5

5. B. Andrology laboratory activity

Sperm banking donors Yes ☒ No ☐

Sperm banking cancer patients Yes ☒ No ☐

<i>If yes:</i>			
	2023	2024	2025
Number of donor samples	50	30	32
Number of cancer patients	100	97	80

5. C. Histopathological evaluation of biopsies Yes ☐ No ☒

5. D. Reproductive Hormones Assays Yes ☐ No ☒

5. E. Y chromosome microdeletions according to EAA/EMQN guidelines Yes ☒ No ☐

20

If yes number of tests in the past year

Participation to the EAA quality control scheme?

Yes ☒

No ☐

If no, specify if available in another lab of the same hospital

Yes ☐

No ☐

Blood karyotyping

Yes ☒

No ☐

If no, specify if available in another lab of the same hospital

Yes ☐

No ☐

Other genetic tests (please specify)

FISH sperm

Pre-implantation genetic diagnosis

Amniotic fluid karyotyping

Pre-implantation genetic diagnosis - yes

6. Collaborations with other Clinical Units of the University/Hospital

IVF Unit

Yes ☒

No ☐

If yes please specify: Children, Endocrinology, IVF, Urology, Genetics, Pathology

Riga Andrology centre collaborates with Children University Hospital; Endocrinology and Urology Departments of University Hospital. There are no University IVF units in Latvia.

Urology Clinic (University Hospital)

Yes ☒

No ☐

Endocrine Clinic (University Hospital)

Yes ☒

No ☐

Genetics Lab/Unit (private, adherent to Riga Andrology centre)

Yes ☒

No ☐

Paediatric Unit

Yes ☒

No ☐

Central Hospital Laboratory

Yes ☐

No ☒

Private Centres

Yes ☒

No ☐

If yes please specify:

University Pediatric, Urology, Endocrine etc. departments and clinics are referring andrology patients to Andrology centre since there were no andrologists available at University clinics, however, trainees that will graduate this year will become also University hospitals andrologists

7. Clinical teaching activity

Duration of training (years):

2

	Number
A: Trainees in the last five years	3
B: Trainees who passed EAA-ESAU\exam for Clinical Andrologist in the last 5 yrs	1
C: Trainees working in the centre preparing to pass the EAA-ESAU examination (next year)	2
D: PhD Students	2
E: Medical Students	5
F: Other students (MSc)	0

8. Formal Andrology teaching program

Yes

☒

No

If yes: specify duration (years/months):

Years

Months

	Hours of formal teaching per year	Professional training (weeks/months)
Medical Students	110 hrs	6 weeks per year
PhD Students	120 hrs per student	24 weeks per year
Post Graduate students		
Trainees	96 hrs per year	44 weeks per year
Other degrees (please specify) – Residents in urology and endocrinology: 2-6 weeks		

9. Research Activity**Biological and clinical aspects of sperm DNA integrity, and elaboration of new tests for assessment of sperm DNA integrity:**

J. Erenpreiss, J. Bars, V. Lipatnikova, Je. Erenpreisa and J. Zalkalns. Comparative study of cytochemical tests for sperm chromatin integrity. *Journal of Andrology*, 2001, V.22:45-53.

Erenpreiss J., Hlevicka S., Zalkalns J., Erenpreisa Je. Effect of leukocytospermia on sperm DNA integrity: a negative effect in abnormal semen samples. *Journal of Andrology*, 2002, V.23: 717-723.

J. Erenpreisa, J. Erenpreiss, T. Freivalds, M. Slaidina, R. Krampe, E. Butikova, A. Ivanov. Toluidine blue test for sperm DNA integrity and elaboration of image cytometry algorithm. *Cytometry*, 2003, 52A(1):19-27.

I. Tsarev, V. Gagonin, A. Giwercman, J. Erenpreiss. Semen quality in men from general Latvian population compared to other countries in Nordic-Baltic area and the impact of life style and ethnic factors. *International Journal of Andrology* 2005; 28: 208-214.

J. Erenpreiss, K. Jepson, A. Giwercman, I. Tsarev, Je. Erenpreisa, M. Spano. Toluidine blue cytometry test for sperm DNA conformation: comparison with the flow cytometric sperm chromatin structure and TUNEL assays. *Human Reproduction* 2004; 19: 2277-82.

J. Erenpreiss, M. Spano, J. Erenpreisa, M. Bungum, A. Giwercman. Sperm chromatin structure and male infertility: biological and clinical aspects. *Asian Journal of Andrology* 2006; 8: 11-29.

J. Erenpreiss, M. Bungum, M. Spano, S. Elzanaty, J. Orbidans, A. Giwercman. Intra-individual variation in Sperm Chromatin Structure Assay parameters in men from infertile couples: clinical implications. *Hum Reprod*, 2006, 21: 2061-4.

Bungum M, Humaidan P, Axmon A, Spano M, Bungum L, Erenpreiss J, and Giwercman A. Sperm chromatin conformation measurement predicts the outcome of ART. *Hum Reprod*, 2007, 22:1 74-9.

J. Erenpreiss, S. Elzanaty, A. Giwercman. Sperm DNA damage in men from infertile couples. *Asian J Androl*, 2008, 10: 786-90.

R. Mahfouz, T. Said, J. Erenpreiss, R. Sharma, A. Agarwal. Association of sperm apoptosis and DNA ploidy with sperm chromatin quality in human spermatozoa. *Fertil Steril*, 2009 Apr;91(4):1110-8.

I. Tsarev, M. Bungum, A. Giwercman, J. Erenpreiss. Evaluation of male fertility potential by Toluidine Blue test for sperm chromatin structure assessment. *Hum Reprod*. 2009 Jul;24(7):1569-74.

A. Agarwal, J. Erenpreiss, R. Sharma. Sperm chromatin assessment. In „Textbook of Assisted Reproductive Technologies”, 2009, 3rd edition, editors D. Gardner, A. Weissman, C. Howles, Z. Shoham; Informa Healthcare, London, UK, pp. 67-85.

I. Tsarev, J. Erenpreiss. Cytochemical tests for sperm chromatin maturity. In: Zini A, Agarwal A, eds, Sperm Chromatin: Biological and Clinical Applications in Male Infertility and Assisted Reproduction, New York, Springer, 2011, pp. 181-188.

Erenpreiss J, Zubkova K. Cytochemical Tests for Sperm Chromatin Maturity. In: Zini A, Agarwal A, eds, A Clinician's Guide to Sperm DNA and Chromatin Damage. Springer International Publishing, 2018
(<http://www.springer.com/us/book/9783319718149#aboutAuthors>).

Reproductive health of infertile men, and young men from general Latvian and European populations, and its affecting factors, including anatomical, hormonal, genetic, and environmental:

J. Erenpreiss, I. Tsarev, A. Giwercman, Y. Giwercman. The impact of androgen receptor polymorphism and parental ethnicity on semen quality in young men from Latvia. *Int J Androl*, 2008, 31:477-82.

M. Grigorova, M. Punab, B. Zilaitiene, J. Erenpreiss, K. Ausmees, V. Matulevicius, I. Tsarev. N. Jorgensen, M. Laan. Genetically determined dosage of Follicle-Stimulating Hormone (FSH) affects male reproductive parameters. *Journal of Clinical Endocrinology and Metabolism*, 2011 Sep;96(9):E1534-41.

Puzuka A, Pronina N, Grinfelde I, Erenpreiss J, Lejins V, Bars J, Pliss L, Pelnena I, Baumanis V, Krumina A. Y chromosome--a tool in infertility studies of Latvian population. *Genetika*. 2011 Mar;47(3):394-400.

M. Grigorova, M. Punab, O. Poolamets, S. Sober, V. Vihlajev, B. Zilaitiene, J. Erenpreiss, V. Matulevicius, I. Tsarev, M. Laan. Study in 1790 Baltic men: FSHR Asn680Ser polymorphism affects total testes volume. *Andrology*, 2013 Mar;1(2):293-300.

Grigorova M, Punab M, Punab AM, Poolamets O, Vihlajev V, Zilaitienė B, Erenpreiss J, Matulevičius V, Laan M. Reproductive Physiology in Young Men Is Cumulatively Affected by FSH-Action Modulating Genetic Variants: FSHR -29G/A and c.2039 A/G, FSHB -211G/T. *PLoS One*. 2014 Apr 9;9(4):e94244. doi: 10.1371/journal.pone.0094244. eCollection 2014.

Punab AM, Grigorova M, Punab M, Adler M, Kuura T, Poolamets O, Vihlajev V, Žilaitienė B, Erenpreiss J, Matulevičius V, Laan M. Carriers of V-LH among 1593 Baltic men have significantly higher serum LH. *Andrology*. 2015 May;3(3):512-9. doi: 10.1111/andr.12022.

N Jørgensen, UN Joensen, J Toppari, M Punab, J Erenpreiss, B Zilaitiene, U Paasch, A Salzbrunn, M Fernandez, HE Virtanen, V Matulevicius, N Olea, TK Jensen, NE Skakkebaek, AM Andersson. Compensated reduction in Leydig cell function is associated with lower semen quality variables: A study of 8,182 European young men. *Human Reproduction*, 2016, 31(5): 947-57.

Damsgaard J, Joensen UN, Carlsen E, Erenpreiss J, Blomberg Jensen M, Matulevicius V, Zilaitiene B, Olesen IA, Perheentupa A, Punab M, Salzbrunn A, Toppari J, Virtanen HE, Juul A, Skakkebaek NE, Jørgensen N. Varicocele Is Associated with Impaired Semen Quality and Reproductive Hormone Levels: A Study of 7035 Healthy Young Men from Six European Countries. *Eur Urol*. 2016 Dec;70(6):1019-1029. doi: 10.1016/j.eururo.2016.06.044.

Grigorova M, Punab M, Kahre T, Ivandi M, Tõnisson N, Poolamets O, Vihlajev V, Žilaitienė B, Erenpreiss J, Matulevičius V, Laan M. The number of CAG and GGN triplet repeats in the Androgen Receptor gene exert combinatorial effect on hormonal and sperm parameters in young men. *Andrology*. 2017;5(3):495-504. Epub 2017 Mar 23.

Stavusis J, Inashkina I, Lace B, Pelnena D, Limborska S, Khrunin A, Kucinskas V, Krumina A, Piekuse L, Zorn B, Fodina V, Punab M, Erenpreiss J. A new Baltic Population-Specific Human Genetic Marker in the PMCA4 Gene. *Hum Hered*. 2016;82(3-4):140-146. Epub 2017 Nov 2.

Erenpreiss J, Punab M, Zilaitiene B, Hlevicka S, Zayakin P, Matulevicius V, Tomas Preiksa R, Jørgensen N. Semen quality of young men from the general population in Baltic countries. *Hum Reprod*. 2017;32(6):1334-1340.

Erenpreisa J, Vainshelbaum NM, Salmina K, Zayakin P, Erenpreiss J. The Ouroboros of Human Evolution: Global Decline of Male Fertility and Increase in Cancer. *Andrology-Open Access, Mini Review* - (2023)Volume 12, Issue 4.

Aging male:

Erenpreiss J, Fodina V, Pozarska R, Zubkova K, Dudorova A, Pozarskis A. Prevalence of testosterone deficiency among aging men with and without morbidities. *Aging Male*. 2020 Dec;23(5):901-905. doi: 10.1080/13685538.2019.1621832. Epub 2019 Jun 1.

Genetic factors in male and female infertility:

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Alksere B, Berzina D, Dudorova A, Conka U, Andersone S, Pimane E, Krasucka S, Blumberga A, Dzalbs A, Grinfelde I, Vedmedovska N, Fodina V, Erenpreiss J. Case of Inherited Partial AZFa Deletion without Impact on Male Fertility. *Case Rep Genet.* 2019 Oct 31;2019:3802613. doi: 10.1155/2019/3802613.

Puzuka A, Alksere B, Gailite L, Erenpreiss J. Idiopathic Infertility as a Feature of Genome Instability. *Life (Basel).* 2021 Jun 29;11(7):628.

Fodina V, Dudorova A, Erenpreiss J. Evaluation of embryo aneuploidy (PGT-A) and endometrial receptivity (ERA) testing in patients with recurrent implantation failure in ICSI cycles. *Gynecol Endocrinol.* 2021;37(sup1):17-20.

V. Fodina, A. Dudorova, J. Erenpreiss. Reasons and Mechanisms of Recurrent Failed Implantation in IVF. In: Wei-Hua Wand, ed. "Infertility and Assisted Reproduction," ISBN 978-1-83962-825-2. IntechOpen, 2021, doi: 10.5772/intechopen.98301. <http://mts.intechopen.com/articles/show/title/reasons-and-mechanisms-of-recurrent-failed-implantation-in-ivf>

Lidaka L, Bekere L, Rota A, Isakova J, Lazdane G, Kivite-Urtane A, Dzivite-Krisane I, Kempa I, Dobeles Z, Gailite L. Role of Single Nucleotide Variants in *FSHR*, *GNRHR*, *ESR2* and *LHCGR* Genes in Adolescents with Polycystic Ovary Syndrome. *Diagnostics (Basel).* 2021 Dec 11;11(12):2327. doi: 10.3390/diagnostics11122327.

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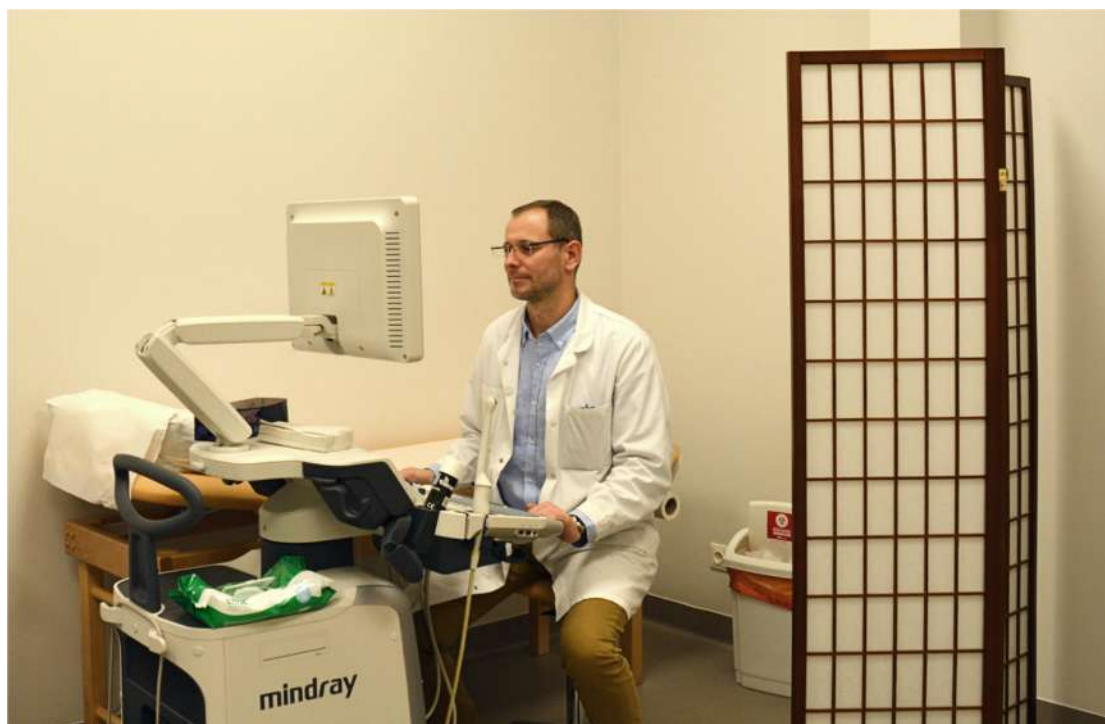
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10. Research Funding

Year	2023-2025
Total amount (€)	20000 EUR per year, for 2026: 200 000 EUR
Funding Source(s)	University funding

CENTRE PHOTOS







FULL LIST OF PUBLICATIONS (with IF) of staff members from the last 5 years

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