

EAA Andrology Training Center
Initial accreditation
Centre Report

2016

Centre identification

CENTRE REPORT

Name and address of Centre

Department of andrology and human reproduction in N.A. Lopatkin Scientific Research Institute of Urology and Interventional Radiology - branch of the federal state budgetary institution "National Medical Radiological Research Center " of the Ministry of Health of the Russian Federation
 3d Parkovaya str. 51, Moscow, Russia 105425

Type of CentreUniversity ☐University Hospital ☐Private Centre ☐

Other (please specify)

Scientific Research Institute - Branch of the federal state budgetary institution

1. Director

Oleg I Apolikhin, professor, PHD, urologist

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

Andrey V Sivkov, urologist

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

3. Present Staff (*Senior Scientists*)

1) Name Andrey V Sivkov
Degree _____
Speciality Urologist

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

2) Name Evgeny A Efremov
Degree PHD
Speciality Urologist, andrological surgery

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

Insert any additional staff below (if required)

MD/Biologists/Chemists

1) Name _____
 Degree _____
 Speciality _____
 Full time/part time _____

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

2) Name Sergey D Dorofeev
 Degree MD
 Speciality Urologist, prostate disease
 Full time/part time 21/21

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

3) Name Yaroslav I Melnik
 Degree MD
 Speciality Urologist
 Full time/part time 10/10

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

4) Name Valery V Simakov
 Degree MD
 Speciality Urologist
 Full time/part time 6/5

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

5) Name Darya A Gusakova
 Degree MD
 Speciality Endocrinologist
 Full time/part time 8/8

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

6) Name Stepan S Krasnyak
 Degree MD
 Speciality Urologist, ED and co-morbidity
 Full time/part time 4/2

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

7) Name Alena V Kasatonova
 Degree MD
 Speciality Urologist, infertility surgery
 Full time/part time 3/3

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

8) Name Valery V Evdokimov
 Degree PHD
 Speciality Laboratory, spermiology
 Full time/part time 42/30

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

9) Name _____
 Degree _____
 Speciality _____
 Full time/part time _____

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

10) Name _____
 Degree _____
 Speciality _____
 Full time/part time _____

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

11) Name _____
 Degree _____
 Speciality _____
 Full time/part time _____

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

12) Name _____
 Degree _____
 Speciality _____
 Full time/part time _____

Academician ☐ Affiliated Member ☐ Clinical Andrologist ☐

Insert any additional staff below (*if required*)

Specialists

- | | |
|---------|--|
| 1) Name | Victoria Romikh, neurourology and urodynamic |
| 2) Name | Andrey Karyakin, oncurology |
| 3) Name | Sergey Scherbinin, radiology |
| 4) Name | |
| 5) Name | |

PhD Students

- | | |
|---------|--|
| 1) Name | |
| 2) Name | |
| 3) Name | |

Nurses

- | | |
|---------|--|
| 1) Name | |
| 2) Name | |
| 3) Name | |

Laboratory Technicians

- | | |
|---------|--|
| 1) Name | |
| 2) Name | |
| 3) Name | |

Administrative Personnel

- | | |
|---------|---|
| 1) Name | Larisa V. Artyukhova International department |
| 2) Name | |
| 3) Name | |

4. Clinical Activity

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

	2013	2014	2015
New patients	912	1284	1149+
Follow-up patients	1678	2097	1602+

Type of patients in the last years (%)	2013	2014	2015
Infertility	855	879	1072+
Erectile dysfunction	699	947	687+
Hypogonadotropic Hypogonadism	155	270	88+
Klinefelter	26	89	48+
Gynaecomastia	25	26	16+
Varicocele	466	373	553+
Cryptorchidism	22	67	26+
Male sex accessory gland infections	78	142	168+
Testicular tumours	22	24	16+
Disorders of gender identity	18	8	4+
Other	224	556	73+

B. Ultrasound (testis, penile, prostate) *

	2013	2014	2015
Total	4662	5984	5116+
Controls	1259	1855	1484+

** performed at the Department of Radiology*

C. Andrological surgery procedures

	2013	2014	2015
Testicular biopsies	64	102	82+
Varicocele ligation	46	68	61+
Prostate biopsies	1200	1302	1197+
BPH	690	702	645+
Prostate cancer	130	156	146+
Vasectomy	0	0	0
Vaso-vasostomy	1	0	0
Other	270	303	245+

5. A. Andrology laboratory activity

	2013	2014	2015
Semen analyses	2456	2603	3206+
Sperm antibodies	1998	2020	3104+
Seminal markers	406	602	927+

5. B. Andrology laboratory activity

Sperm banking donors Yes ☐ No ☒

Sperm banking cancer patients Yes ☐ No ☒

If yes:			
	2013	2014	2015
Number of samples			

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

5. D. Reproductive Hormones Assays Yes ☒ No ☐

If yes please specify type of assays and number of samples in the last year

Reproductive Hormones Assays

(FSH, LH, testosterone, SHBG, prolactin) Testosterone, 2423
SHBG, LH, FSH, Inhibin B, prolactin,

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

If yes number of tests in the past year

46

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

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

IVF Unit

Yes ☒No ☐

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

Urology Clinic

Yes ☒No ☐

Endocrine Clinic

Yes ☒No ☐

Genetics Lab/Unit

Yes ☒No ☐

Paediatric Unit

Yes ☒No ☐

Central Hospital Laboratory

Yes ☒No ☐

Private Centres

Yes ☒No ☐

If no please specify:

7. Clinical teaching activity

Duration of training (years):

0,3

	Number
A: Trainees in the last five years	170
B: Trainees who passed EAA-ESAU\exam for Clinical Andrologist in the last 5 yrs	0
C: Trainees working in the centre preparing to pass the EAA-ESAU examination	0
D: PhD Students	5
E: Medical Students	0
F: Other students (MSc)	

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		
PhD Students	2172	10 w
Post Graduate students	2178	24 w
Trainees	720	6 w
Other degrees (please specify)		

9. Research Activity (maximum 1 page)

Please shortly describe the main research topics of the center and list the most relevant papers in peer review journals (with IF) related to these activities:

ED as polyetiological syndrome
 Shock wave therapy in ED treatment
 Cardiovascular diseases and ED
 Microsurgical testicular sperm extraction in the treatment of male infertility
 Testosterone replacement therapy
 Endocrine factors in male infertility
 Male genital surgery

The full list of publications (years 2010 - 2015) are presented at the end of this report.

10. Research Funding

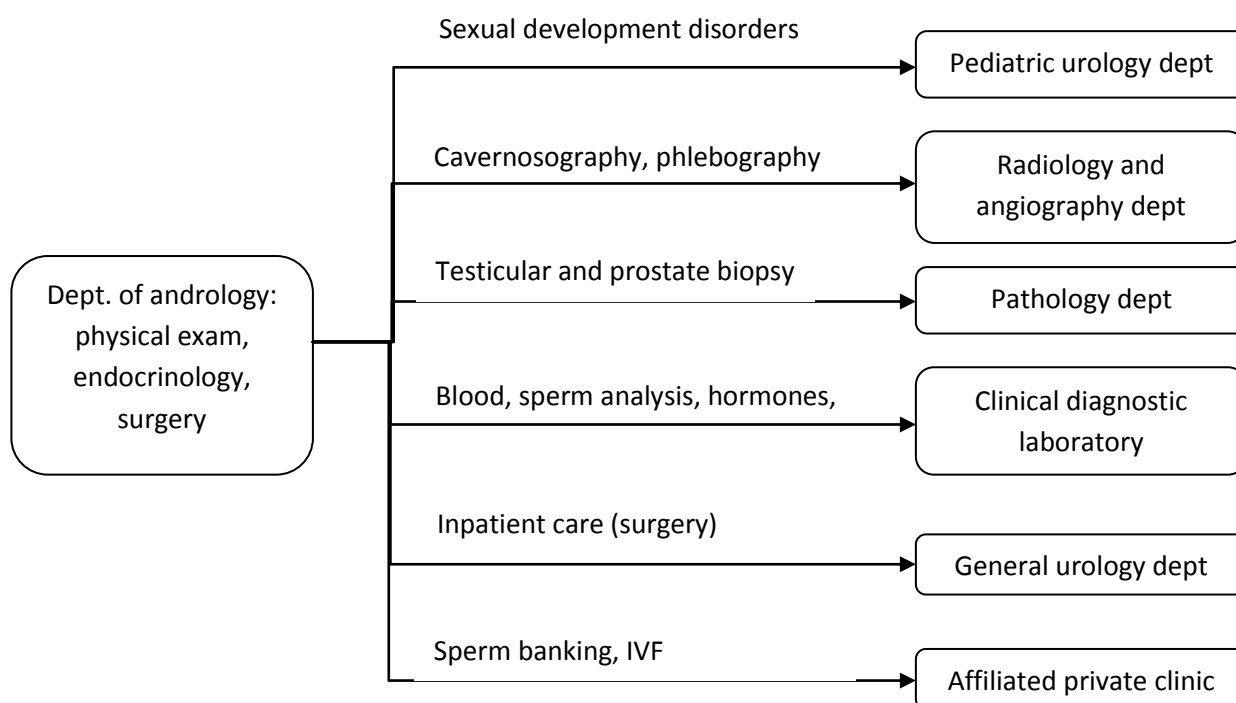
Please specify the amount of available funds in the last 3 years and their source (Government, European Union, University, Local Government, Pharmaceutical Industries, Banks, Foundations....)

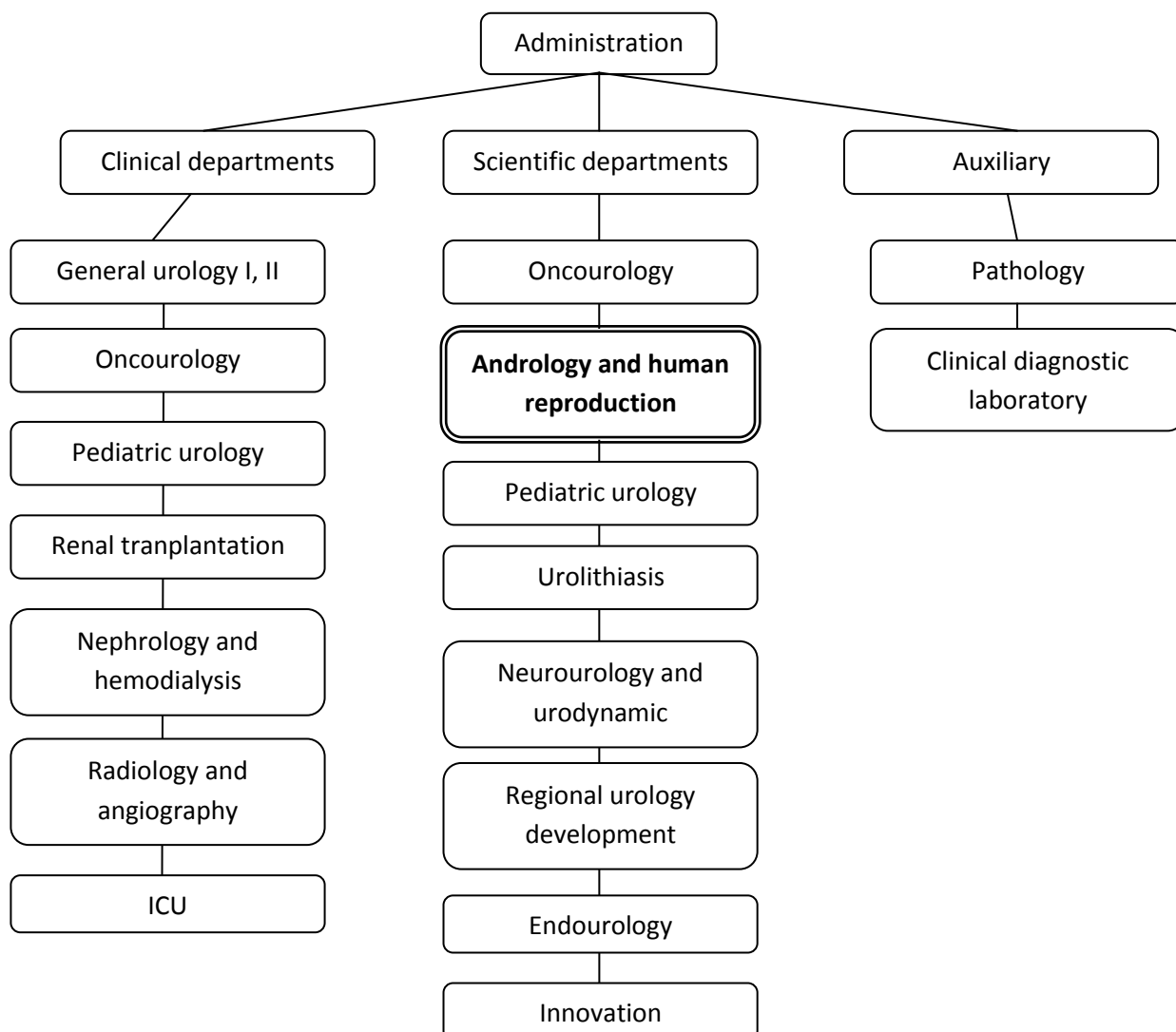
Year	2012-2015
Total amount (€)	46 000 per year
Funding Source(s)	Pharmaceutical Industry

Insert any additional funding below if required

ORGANIZATION CHARTS

Organization charts legend: Department / Unit Structure





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

Papers from Research Institute of Urology.

Proceedings (abstracts)

1. Multispiral computed pharmacocavernosography in the diagnosis of venoocclusive erectile dysfunction / Apolikhin O.I., Sivkov A.V., Efremov E.A., Zhukov O.B., Scherbinin S.N., Y.I. Melnik, Krasnyak S.S. // Abstracts of European Society of Radiology 1st-5th of March, 2012, Vienna, Austria, DOI: 10.1594/ecr2012/C-0599. URL: http://postereng.netkey.at/esr/online_viewing/index.php?module=view_postercoverpage&task=viewcoverpage&start=0&ls=authorlist&pi=109254&perid=226128&num=1&count=1&cid=503.
2. UROLOGY 80 (Supplement 3A), September 2012 S347. A Novel Diagnostic Technique for Venocclusive Erectile Dysfunction Apolikhin O, Efremov E, Zhukov O, Scherbinin S, Melnik Y, Krasnyak S, Ulbashev A, Simakov V.
3. Journal für Reproduktionmedizin und Endokrinologie 2012; 9 (5), p 334. Assessment of Erectile Function after Surgical Treatment of Penile Fracture S. Krasnyak, O. Zhukov, A. Dzidzariya
4. Eur Urol Suppl 2013;12;e1114 European Urology, Volume 12 Issue 1, October 2013. Prevalence of dyslipidemia and endothelial dysfunction in patients with impaired erection EAU 9th South Eastern European Meeting, 1-3 November 2013, Thessaloniki, Greece. S6.
5. Eur Urol Suppl 2013;12;e1171 Krasnyak S.S., Davydova S.S. C63 Algorithm for management of hypertensive patients who are in need of urology interventions
6. Urology, Volume 84, (4 supplements 1). October 2014. Page S66, MP-11.06. Apolikhin O.I., Efremov E.A., Melnik Y.I., Krasnyak S.S. Use of erectile dysfunction as a tool for early diagnosis of cardiovascular disease.
7. Andrology, Volume 3, Issue Supplement S1, pages 111, April 2015 «Penile hemodynamic in patients with high risk of cardiovascular diseases» E. Efremov, Y.Melnik, S. Krasnyak
8. Journal of Urology. Vol. 193, No. 4S, Supplement, Page e521. Sunday, May 17, 2015 MP43-10 «High-precision evaluation of systemic endothelial function in the complex diagnosis of erectile disorders». Oleg Apolikhin, Evgeny Efremov, Yaroslav Melnik, Stepan Krasnyak.
9. Journal of Sexual Medicine, 2015;12 (suppl 3):p. -241. Use of erectile dysfunction as a tool for early diagnosis of cardiovascular diseases. Apolikhin, O.; Efremov, E.; Krasnyak, S.

Full-text papers

1. A comparative clinical randomized trial of cernilton efficacy and safety in patients with chronic abacterial prostatitis. Apolikhin OI, Aliaev IuG, Sivkov AV, Vinarov AZ, Oshchepkov VN, Keshishev NG, Bedretdinova DA, Akhvlediani ND. *Urologiia*. 2010 Jan-Feb;(1):29-34. Russian. PMID: 20891044
2. Current opportunities of pharmacotherapy of prostatic adenoma. Apolikhin OI, Sivkov AV, Beshliev DA, Abdullin II. *Urologiia*. 2010 Mar-Apr;(2):54-9. Russian. No abstract available. PMID: 20967996
3. Experience with application of ALMGP-01 device for local transrectal microwave hyperthermia of the prostate in the treatment of chronic prostatitis. Apolikhin OI, Voronovitskiĭ VD, Gonsales ÉN. *Urologiia*. 2010 Sep-Oct;(5):39-41. Russian. PMID: 21254639
4. Results of three-year clinical study of prostamol uno efficacy and safety in patients with initial symptoms of prostatic adenoma and risk of its progression. Vinarov AZ, Aliaev IuG, Apolikhin OI, Mazo EB, Darenkov SP, Demidko IuL, Lokshin KL, Medvedev AA, Permiakova OV, Spivak LG, Shkol'nikov ME. *Urologiia*. 2010 Nov-Dec;(6):3-10. Russian. PMID: 21433319
5. Clinical immunological rationale of interferon therapy in chronic bacterial prostatitis. Kamalov AA, Efremov EA, Dorofeev SD, Tret'iakov AA, Okhobotov DA, Mel'nik iai, Bedretdinova DA. *Urologiia*. 2010 Jan-Feb;(1):34-8. Russian. PMID: 20886729
6. High-tech medical care for patients with prostatic cancer: an original analysis. Apolikhin OI, Katibov MI, Shaderkin IA. *Urologiia*. 2011 Sep-Oct;(5):76-82. Russian. No abstract available. PMID: 22279795
7. Methods of increasing the effectiveness of radical prostatectomy. Apolikhin OI, Katibov MI. *Urologiia*. 2011 Jul-Aug;(4):49-55. Russian. PMID:22066243
8. Prognostic estimation of chemical composition of recurrent urinary stones. Konstantinova O, Apolikhin O, Sivkov A, Dzeranov N, Yanenko E. *Arch Ital Urol Androl*. 2011 Mar;83(1):20-2. PMID: 21585164
9. Selzink plus study in patients with chronic non-infectious prostatitis and abnormal fertility. Sivkov AV, Oshchepkov VN, Evdokimov VV, Keshishev NG, Skabko OV. *Urologiia*. 2011 Sep-Oct;(5):27-8, 30-3. Russian. PMID: 22279783
10. Role of blood supply disturbance and tissue hypoxia in the development of bladder dysfunction in bladder outlet obstruction caused by the prostatic adenoma. Kirpatovskii VI, Sivkov AV, Fediakov RP, Khromov RA, Bablumian AIu, Nadtochiĭ ON. *Urologiia*. 2013 Mar-Apr;(2):123-8. Review. Russian. No abstract available. PMID: 23789378
11. Results of open multicenter study of the safety of doxazosin in combination with indigal in men with stages I-II prostatic adenoma. Pavlov VN, Komiakov BK, Grigor'ev MÉ, Sivkov AV, Bliumberg BI, Kazikhinoruv AA, Izmaïlov AA, Boiarko AV, Abzalilov RA. *Urologiia*. 2013 Mar-Apr;(2):42-4, 46. Russian. PMID: 23789362

12. Treatment of exstrophy of bladder in adults. Perlin DV, Sapozhnikov AD, Darenkov SP, Efremov EA. *Urologiia*. 2014 Sep-Oct;(5):121-4. Russian. PMID: 25807774
13. Markers for non-invasive molecular genetic diagnosis of oncurological diseases. Mikhaïlenko DS, Perepechin DV, Apolikhin OI, Efremov GD, Sivkov AV. *Urologiia*. 2014 Sep-Oct;(5):116-20. Review. Russian. PMID: 25807773
14. Genetic risk factors for multiple kidney stone formation in the russian population. Apolihin OI, Sivkov AV, Konstantinova OV, Slominskij PA, Tupicyna TV, Kalinichenko DN. *Urologiia*. 2015 Jul-Aug;(4):4-6. Russian. PMID: 26665756
15. Use of sildenafil citrate for treatment of erectile dysfunction of various etiology. Efremov EA, Kasatonova EV, Mel'nik JI. *Urologiia*. 2015 Mar-Apr;(2):117-8, 120-1. Review. Russian. PMID: 26237819
16. O.I. Apolikhin, N.G. Moskaleva, V.A. Komarova. Contemporary demographic situation and problems of improving the reproductive health of Russian population. *Experimental and Clinical Urology*, 2015, №4 – p. 4-7
17. D.S. Mikhaylenko, D.V. Perepechin, G.D. Efremov, A.V. Sivkov, O.I. Apolikhin Detection of FGFR3 and PIK3CA mutations in DNA isolated from urine sediment of bladder cancer patients. Contemporary demographic situation and problems of improving the reproductive health of Russian population. *Experimental and Clinical Urology*, 2015, №4
18. A.V. Sivkov, N.G. Keshishev, E.Z. Rabinovich, A.A. Trudov. Osteoporosis during the hormone therapy of prostate cancer and markers of bone tissue remodelling. *Experimental and Clinical Urology*, 2015, №4
19. A.V. Sivkov, I.A. Shaderkin, A.V. Vladzimirskyy, A.A. Tsoy. Expanding capability of telemedicine consultations in urology by video conferencing tools. *Experimental and Clinical Urology*, 2015, №4
20. Apolihin O.I., Sivkov A.V., Vladzimirskiy A.V., Shaderkin I.A., Coy A.A., Shaderkina V.A., Voytko D.A., Prosyannikov M.Yu., Zelenskiy M.M. Use of telemedicine web platform NetHealth.ru as an instrument of a clinical support in urology. Expanding capability of telemedicine consultations in urology by video conferencing tools. *Experimental and Clinical Urology*, 2015 № 3 p. 7-10.
21. Kaprin A.D., Apolihin O.I., Sivkov A.V., Moskaleva N.G., Solnceva T.V., Komarova V.A. Analysis of uronephrological morbidity and mortality in Russian Federation for 2003-2013. *Experimental and Clinical Urology*, 2015 № 2 p. 8-12.
22. Kazachenko A.V., Shaderkin I.A., Krasnyak S.S., Kasatonova E.V. Distant education in andrology: history, reality, perspectives. *Experimental and Clinical Urology*, 2015 № 2 p. 93-100.
23. Apolikhin O.I., Sivkov A.V., Kazachenko A.V., Shaderkin I.A., Shaderkina V.A., Zolotuhin O.V., Voytko D.A., Prosyannikov M.Yu., Coy A.A., Grigor'eva M.V., Zelenskiy M.M. The distance education in the training of the primary medicine care specialists. *Experimental and Clinical Urology*, 2015 № 1, p. 4-9.

24. Apolikhin O.I., Lukash T.S., Efremov E.A., Krasnyak S.S. The modern view on the problem of erectile dysfunction in patients with cardiovascular diseases demanding surgical correction (review). *Experimental and Clinical Urology*, 2015 № 1, p. 72-76.
25. Male preconception care. Efremov EA, Kasatonova EV, Mel'nik JI. *Urologiia*. 2015 May-Jun;(3):97-100, 102-4. Review. Russian. PMID: 26390569