

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 Centre**

University   
 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 

<i>If yes:</i>			
	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

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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):

	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**

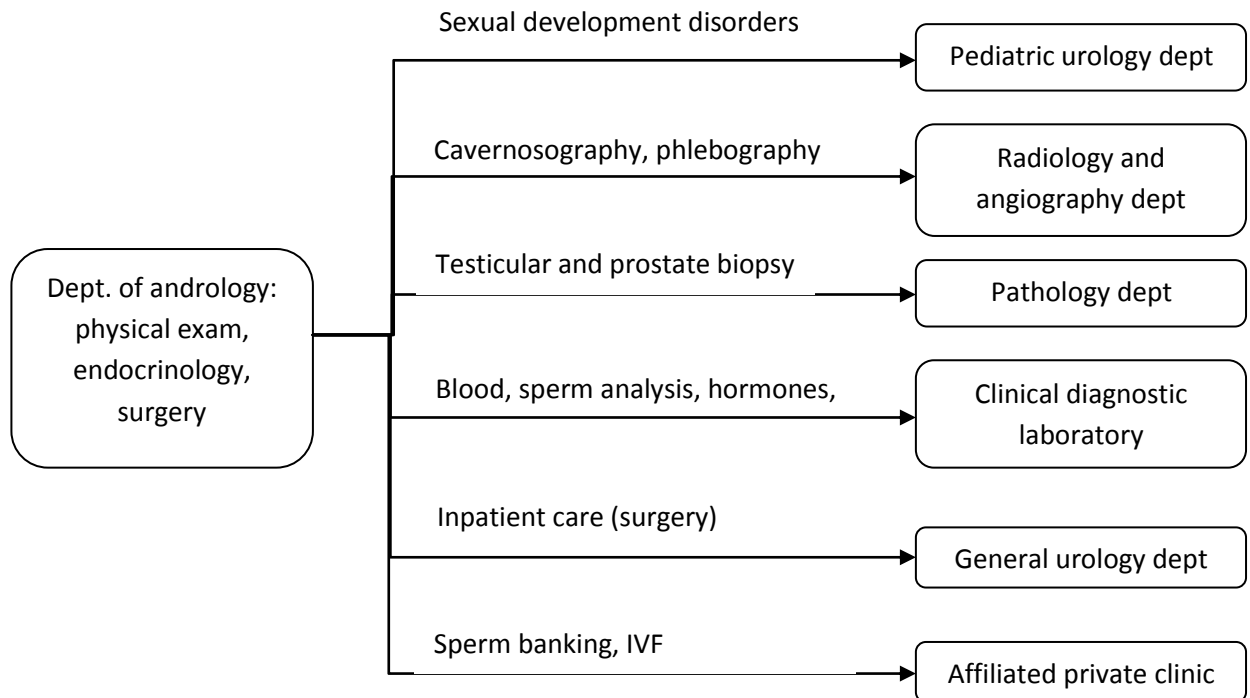
Please specify the amount of available funds in the last 3 years and their source (Government, European Union, University, Local Government, Pharmaceutical Industries, Banks, Foundations....)

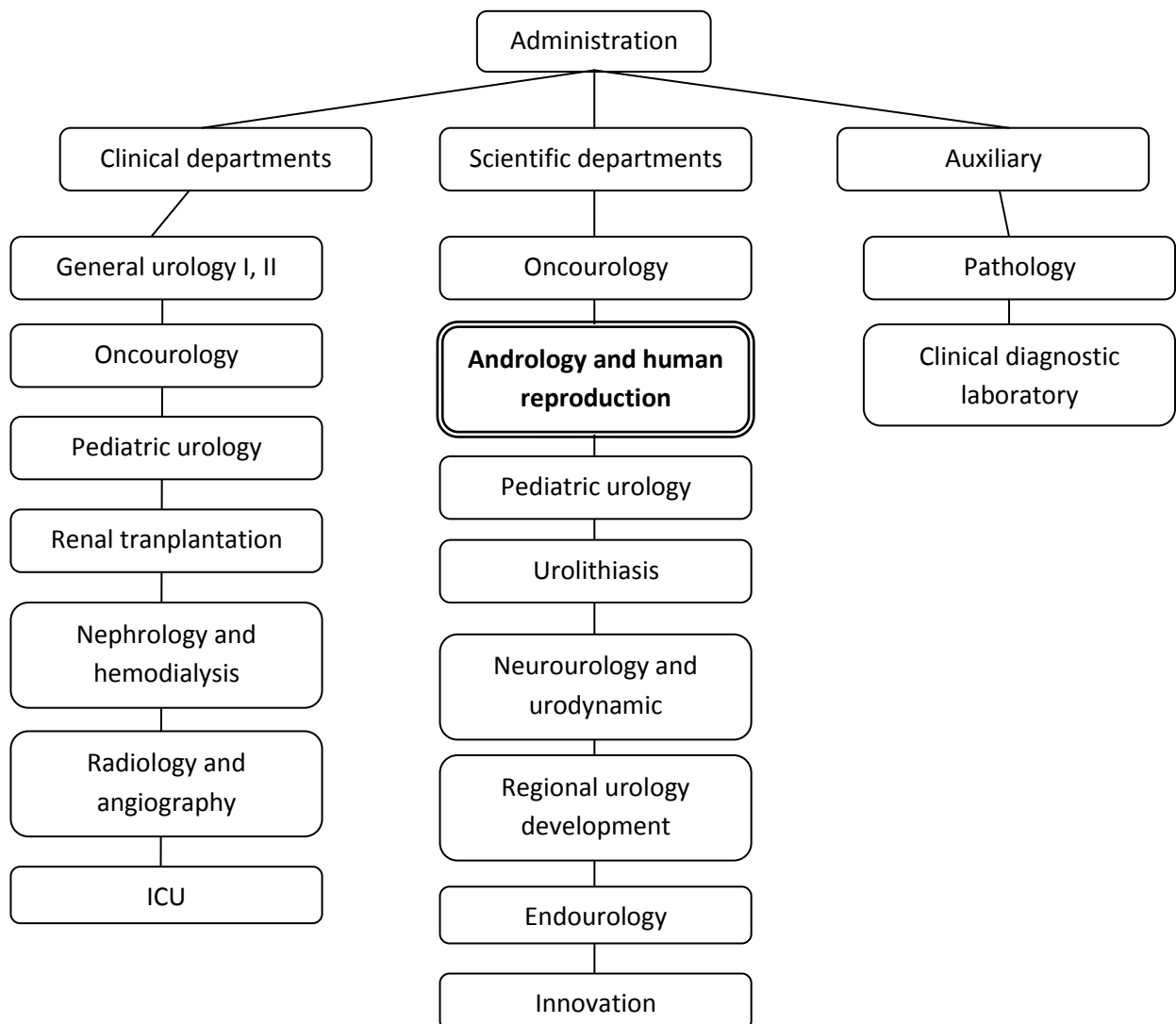
<b>Year</b>	2012-2015
<b>Total amount (€)</b>	46 000 per year
<b>Funding Source(s)</b>	Pharmaceutical Industry

*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](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, Izmaĭlov 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. *Urologia*. 2015 May-Jun;(3):97-100, 102-4. Review. Russian. PMID: 26390569