TELEMEDICINE –
THE EXPERIENCE
AND HOPES

Saratov Railway Clinic,
Saratov, Russia
Oleg Kasimov, Elena Karchenova,
Valery Tuchin

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg
Saratov Railway Clinic (CRC)

Saratov Railway Clinic (SRC) is a leading medical unit in the Volga Region Railway company. This multitype hospital has patient capacity for 534 beds and employs the leading health professionals of the field.

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg
Telemedical Center of Saratov Railway Clinic

- is opened during May 2006 and became the third in the city of Saratov.

Institutional member of International Society for Telemedicine and e-Health from August 2007.

The International Society for Telemedicine & eHealth
http://www.isft.net
Telemedical Center of Saratov Railway Clinic is equipped Internet with the aid of optics, has the equipment of video-conference-connection Tandberg MXP990.

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg
Videoconference

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg
Telemedical Center of Saratov Railway Clinic

For the past 2 years the Center has worked in the following directions:

• 1. Tele-education and professional tele-discussions.
• 2. Tele-consultations via the Internet and video-conferencing.
• 3. Monitoring patients at home and preventive checking on the cardiology staff.
• 4. Participation in Russian and international scientific projects.
• 5. The *Telemedicine and Neuronal Nets Symbiosis* project.
• 6. The *Virtual Clinic* project.
One of the first steps of the tele-medical project was the approbation of the automatic information system in the therapeutic department, thanks to which the medical records were documented digitally.
Teleconsultations by video-conferencing and by Internet

Experience

The central Railway clinics of Moscow and other big cities in Russia and abroad have already been tele-consulting patients via video-conferencing.

- Teleconsultations from Russian Central Railway, Federative Clinics and Universities to patients of our clinic.
- Teleconsultations in world centers (Basel by Telemedical platform iPath, Switzerland; Regensburg, Germany –prof.W.Viland; Donetsk, Ukraine);

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg
Second opinion…

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg
Second opinion...
Telelection: Tele-education is carried out in the form of various disciplines' lecture courses. A number of lectures were presented by the leading specialists from Central Railway Clinics of Moscow, as well as other Russian cities and University of Regensburg prof. Wolfgang Viland (Germany).

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg
Tele-education and tele-instruction

Experience

- Tele-lections from Russian Central Railway, Federative Clinics and Universities to patients of our clinic.
- Tele-lections in world centers (Basel by Telemedical platform iPath, Switzerland; Regensburg, Germany – prof. W. Viland, prof. J. Grifka; Donetsk, Ukraine);
- 3. Certification cycles for the doctors from other medical establishments Saratov region
Tele-education: The master-class on cardiac surgery by acad. Renat Akchurin

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg
Home monitoring of patients with different diseases and preventive observation of the healthy

Experience

Remarkable opportunity for development of the program "Home monitoring" we have received by means of company “Volgotech” for supervision of cardiological patients. Now we observe 19 patients with arrhythmia.
Participation in Russian and international scientific medical projects

Experience

- Conference by Scientific Societies of Endocrinologists Saratov-Nyzhny Novgorod on June 2007;
- Conference by Scientific Societies of neurologists, Moscow, Saratov, Rostov-Don, Kazan on September 26th 2007;
- Participation in Congress “Man and Medicine” on April 2007;
- Participation in Conference “Telemedicine - experiences @ prospects”, Donetsk, on March 2007;
- Participation in Telemedical Platform “iPath” of Basel University;
- Scientific lectures every week with participation of head specialists of Medical department of Russian Railroad.
- And other 😊

4th International Conference “Telemedicine – Experience@Prospects”, March 25-27, Donetsk. Ukraine
28.09.07, Telemedicine II, SFM 2007
The concept "Symbiosis of telemedicine and Neural networks"

Experience

Concerning the idea of the symbiosis of tele-medicine and neuron networks, it is based on idea that tele-medicine can soak in the creation of the significant data bases (both numerical and descriptive, and also the bases of medical images and video images). Then neuron networks can with the high accuracy be trained and be used subsequently for the instruction of specialists effective and significantly shorter on the time.

We consider that already arrived the time to use the already existing bases of medical data, which passed study by world experts, for the processing by their neuron networks (to me are thus far are especially close the telemedical platform iPath, greatly it pleases itself the base of data of Caroline medical university (Sweden)(http://ki.se/ki/jsp/polopoly.jsp?d=261&a=8274&l=en), Very interesting the product of (http://www.scottygroup.com/) and all projects, that presented in this Conference.
The concept "Symbiosis of telemedicine and Neural networks"

Hopes

The medical data bases for using of Neural nets possibly and must be created on the criteria of the international standards, yearly discussed by international medical societies.
Welcome

iPath is a collaborative platform for exchange of medical knowledge, distance consultations, group discussions and distance teaching in medicine. Any medical professional who is interested in participating is welcome and you can register yourself a user account.

This server is operated by the iPath association in collaboration with the University of Basel. We are happy to announce that we finally have migrated all our data to a new powerful server and hope that you will experience the performance increase.

iPath is an open source software project with the aim of developing a multi-purpose communication platform for telemedicine, distance teaching and medical knowledge management. If you are interested in using this software for your own purpose, please visit our sourceforge site.

latest news

OPEN J-Gate: Open Access English Language Journals

OPEN J-Gate is an electronic gateway to global journal literature in open access domain. Open J-Gate [www.openj-gate.com] provides seamless access to millions of journal articles available online, with links to full text at publisher sites. [read]
Teleconsultations by video-conferencing and by Internet

Hopes

• Teleconsultations from Saratov Railway Clinic to the hospitals of Saratov region and Volga regions railroad’s hospitals by head specialists of different medical specializations.

• More teleconsultations of lections from different world medical centers.

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg
Tele-education and tele-instruction

Hopes

• Tele-lections from Saratov Railway Clinic to the hospitals of Saratov region and Volga regions railroad’s hospitals by head specialists of different medical specializations.

• More lections and cycles of lections from different world medical centers!

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg
We read with very great interest about new different projects of virtual Clinic!!!

We have an idea about it too - this creation of the license from hackers’s attacks Web-platform by the name "Virtual clinic". This can become the step of the development of Home monitoring with the possibility of storing the individual bases of data of patients with the possibility for them rapidly to be connected with the doctor in attendances of the Internet and the mobile connection. This project must be sufficient to universal so that then it would be possible to propose it for the extra-milking into other hospitals of Russia. We understand, that there are already different they are similar projects (such, as http://www.telemedicor.eu, http://www.icw.de and others).
Home monitoring of patients with different diseases and preventive observation of the healthy

Hopes

We prepare the project of Home monitoring for supervision of patients with epileptic status.
Thank You for attention
Tel: +7-(8452)-412445, 4 +7-(8452)- 17485

e-mail: dkbsar2@yandex.ru, telemed_dkb@bk.ru,
Saratov, Russia
www.dkb-sar.ru

Med-e-Tel Educational program, April 16-18, 2008, Luxembourg