

Medical Collaboration between Japan and Russia

Niigata University



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Outline of our activities

Bidirectional exchange program: **Medical students & Young doctors**
~25 years, 300 personnel in total (since 1993)



Re-inventing Japan Project (2014-present, MEXT)
Visit of **Grad.** students & Faculty members

Development of Japan-Russian **Medical Collaborations**

Background for **G-MedEx** project



Life expectancy:
10 years less than Japan

Causes of the death

- Infectious diseases
- Cardiovascular problems

Medical service imbalance
due to
large territorial extension

Japan has **advanced medical technologies**



Severe problems

- Aging
- Regional depopulation

Population decline will lead to
inter-regional imbalance of
medical services

Requirements of “experts”
who resolve these medical problems
common to **both** countries

G-MedEx: Multilayered educational programs

Medical Student Exchange (undergraduate)

- ~ **Motivation** for International Medicine,
- ~ **Development of friendship** between two countries



① Summer Exchange Program (bi-directional, 10 days):

~ Lectures and seminars: no credits

② Autumn Medical Research Program (outbound: 2 months): 3rd grade students

~ Experience of "**real medical research**": 7 credits

Graduate Student Exchange

- ~ **Virtual stage** for Japan-Russia medical training;
- ~ **Credit transfer system**



③ Regular PhD Program (inbound, outbound: short term)

④ Double Degree Program (2 years in Russia → 2 years in Niigata)

⑤ Long-term Special Program (inbound: 4 years)

Participants in **G-MedEx** (2015 – March 2018)

Outbound: **50**, Inbound: **68**, Total: **118**

A research project for tuberculosis

G-MedEx



Medical problem : high infectious & fatality rates for **Tuberculosis (T.B.)**



Krasnoyarsk

Chest X-ray
for all civilians



T.B. onset !
(15 in 1,000)



Blood sampling
for all the patients

Russian resources

Prof. Peryanova
at Krasnoyarsk SMU



Research collaboration
in Double Degree Program



Prof. Matsumoto
at Niigata Univ

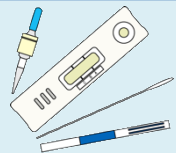


Student
Mr. Ilinov

Project

(1) Relationship between different **blood bio-markers** & the severity or treatment results

(2) **Search for new drugs**



Advanced clinical examination kit



Effective drugs



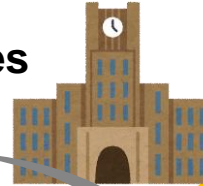
Perspective

*Economic
cooperation*

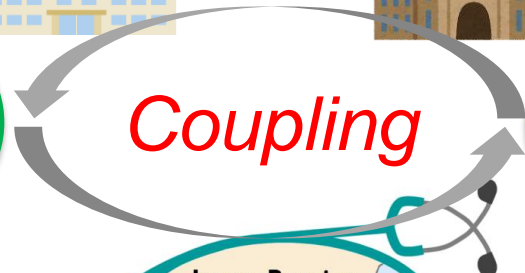
H&RP

*Personnel
exchange*

Health & Medical section



Companies



Regional
governments



Banks



Fostering “**global medical professionals**”

who will build a **bridge** between Japan and Russia

Contributing to **advances in medicine** in both countries