

HOW TO START AN ACUTE STROKE PROGRAM FROM SCRATCH IN A BIG CITY LIKE MOSCOW

DMITRY SKRYPNIK

MOSCOW

DISCLOSURE STATEMENT OF FINANCIAL INTEREST

Within the past 12 months, I or my spouse/partner have had a financial interest/arrangement or affiliation with the organization(s) listed below

AFFILIATION/FINANCIAL RELATIONSHIP

- Grant/Research Support
- Consulting Fees/Honoraria
- Major Stock Shareholder/Equity
- Royalty Income
- Ownership/Founder
- Intellectual Property Rights
- Other Financial Benefit

COMPANY

- Cardiomedics
- Medtronic
- Penumbra

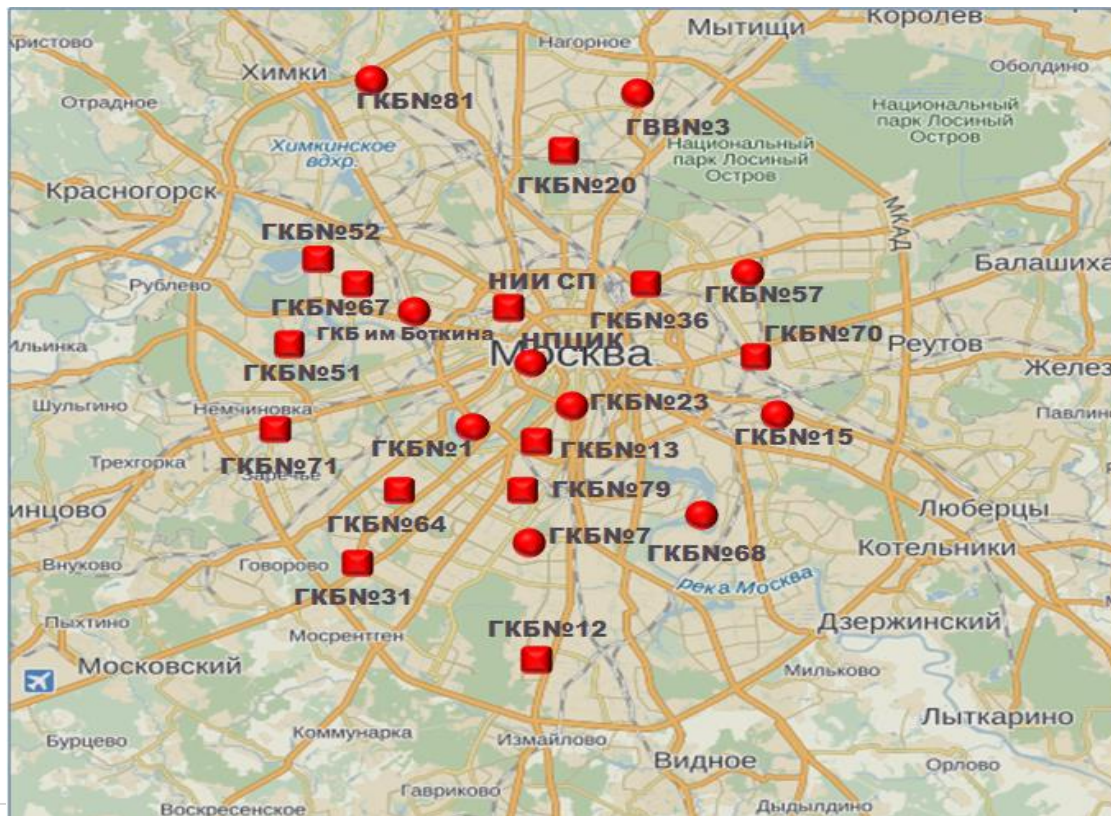
MOSCOW MI NETWORK

POPULATION 12,5 MILLION

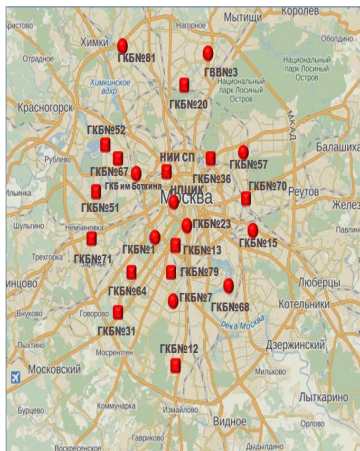
24



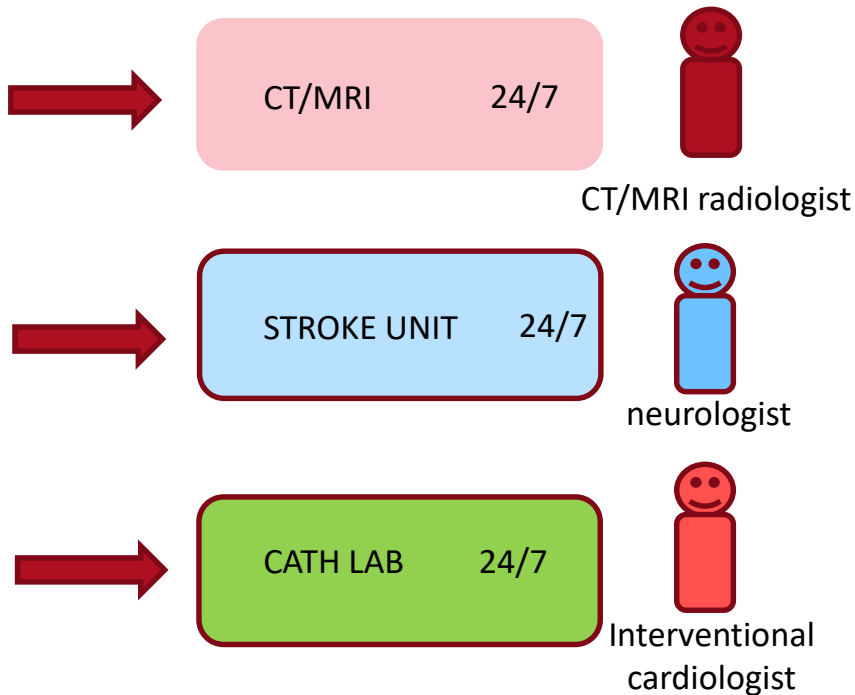
PCI-CAPABLE Hospital



MI NETWORK FOR STROKE TREATMENT

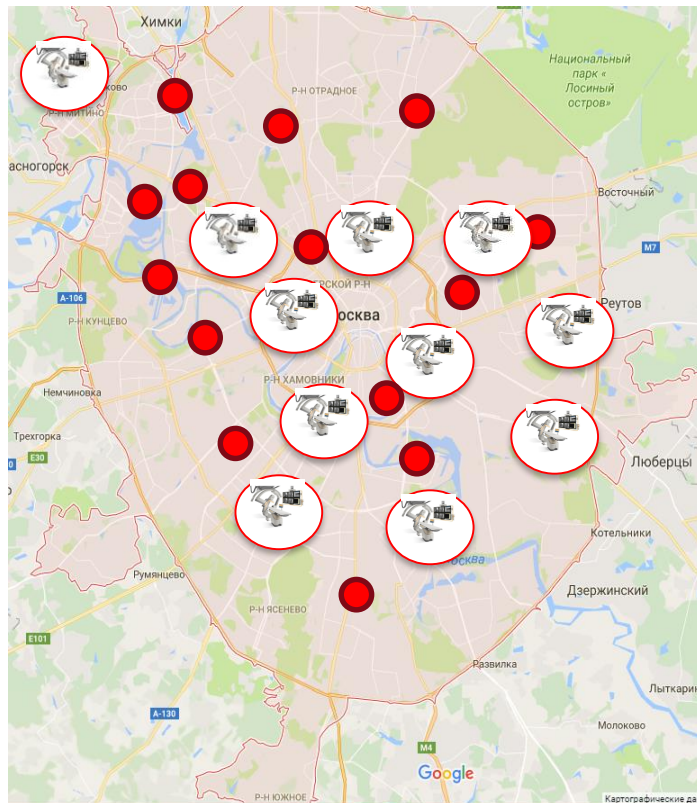


STROKE Team



MOSCOW

POPULATION 12,5 MILLION



● PCI-CAPABLE CENTER
24

● INTERVENTION
STROKE CENTER
8 (2017)
11 (2019)

AMBULANCE



1

STROKE TEAM



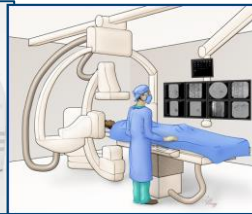
NEUROLOGIST



ANESTHESIOLOGIST



RADIOLOGIST



INTERVENTIONALIST

2

PRE-HOSPITAL PATIENT SELECTION FOR INTERVENTIONAL STROKE TREATMENT

TIME FROM STROKE ONSET

< 4 HOURS



Stroke severity evaluation (ELVO selection):

Prehospital Stroke scale LAMS ≥ 4

Patient is conscious (no sopor or coma)

YES



Hospitalization to the selected interventional hospital

NO



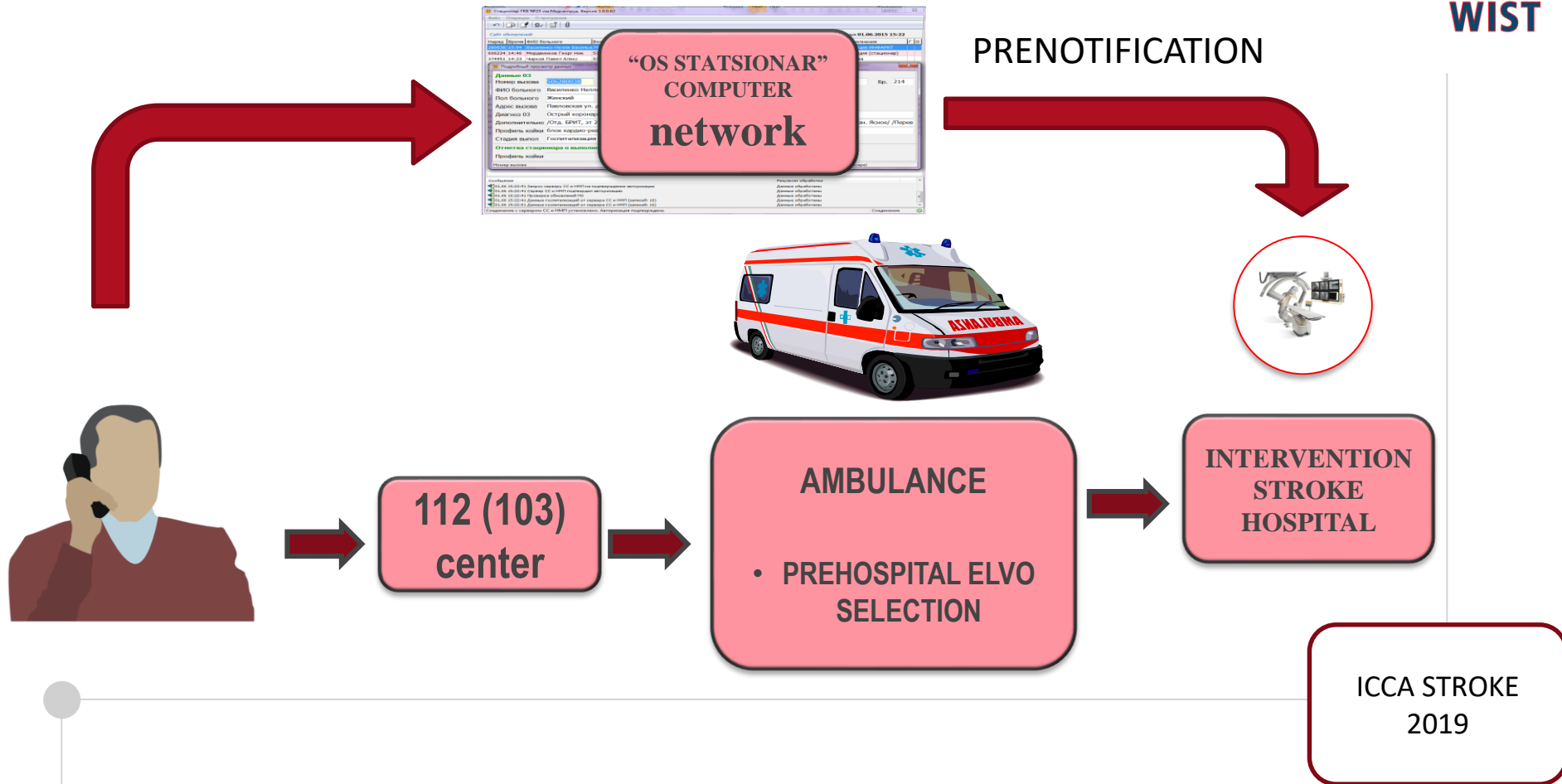
> 4 HOURS

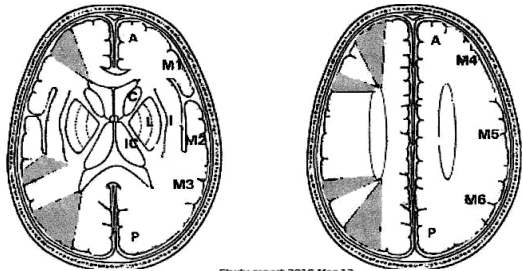


Hospitalization to the nearest stroke unit

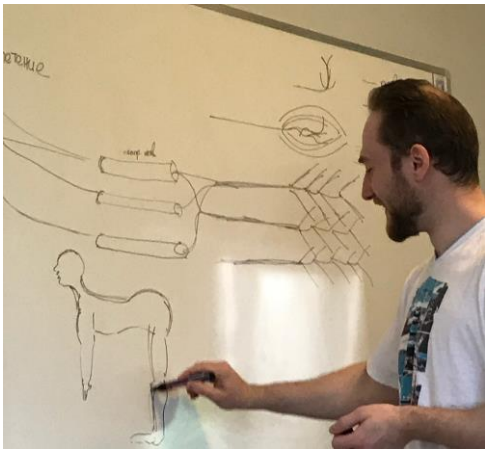
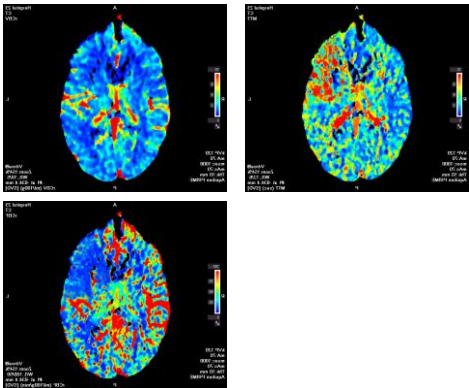
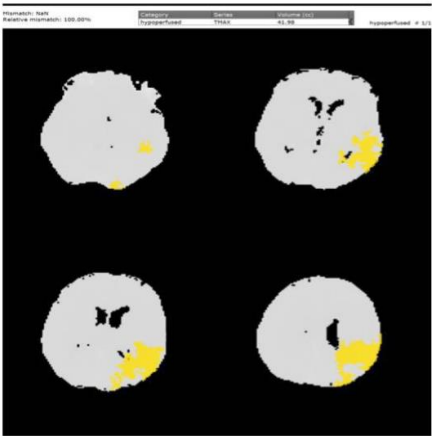
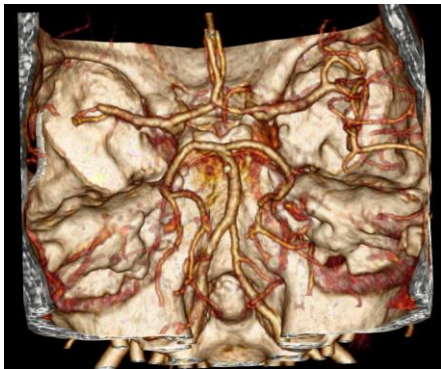


ICCA STROKE
2019





Study report 2018 Mar 13
Olea Study ID : 82634978836533491784967794715388849234



1. SIMULATORS AND FLOW MODELS
2. ANIMAL LABS (RIGA, ROTHERDAM, AAHEN, MONTPELLIER ...)
3. WORKSHOPS (Speakers from high experienced European hospitals)



IN-HOSPITAL PATIENT SELECTION FOR INTERVENTIONAL STROKE TREATMENT

- 1 NEUROIMAGING (ISCHEMIC STROKE CONFIRMATION)
- 2 NON-INVASIVE ANGIOGRAPHY (ELVO CONFIRMATION)
- 3 ASPECTS ≥ 6
- 4 TIME FROM STROKE ONSET TO ARTERIAL PUNCTURE ≤ 6 HOURS
- 5 6-24 HOURS (CT/MRI PERFUSION DATA)



IN-HOSPITAL MEETING POINT

ICCA STROKE 2019



NEUROLOGIST



RADIOLOGIST



ANESTHESIOLOGIST

IV rTPA ?
INTERVENTION?

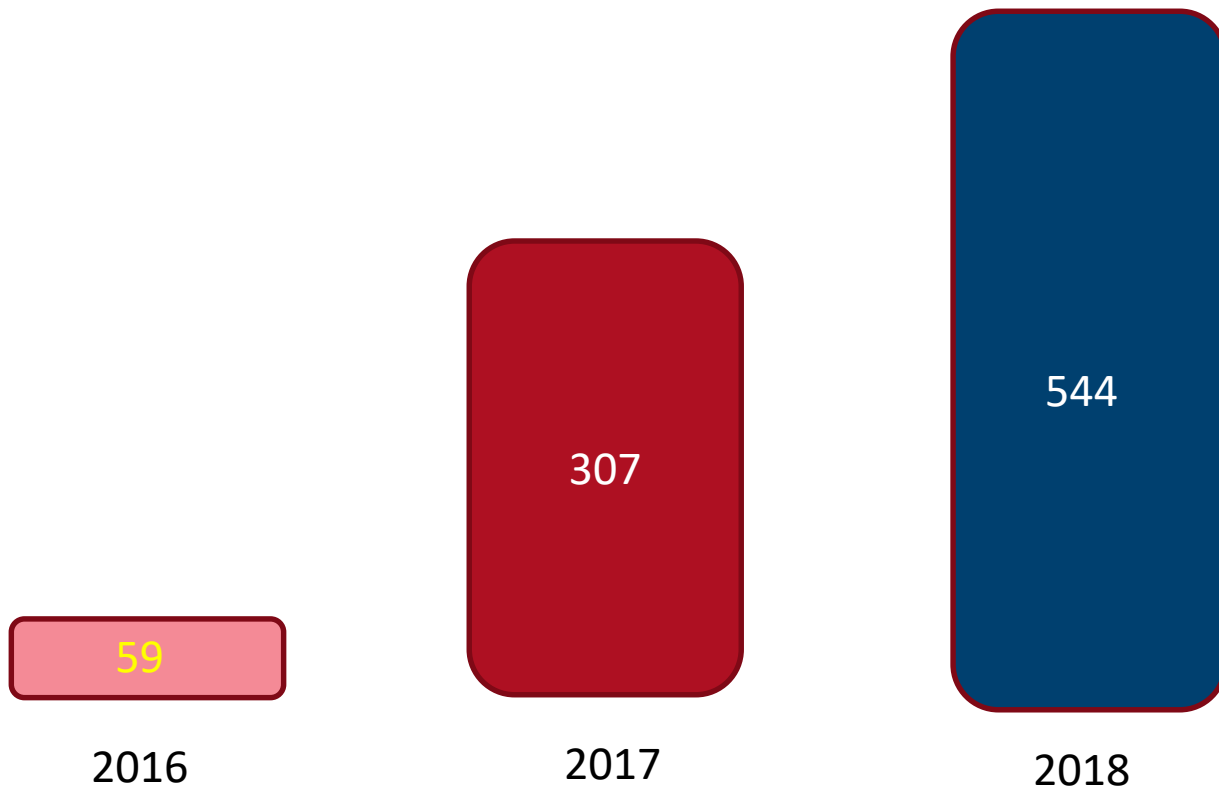


INTERVENTIONAL
RADIOLOGIST

ICCA STROKE
2019

THROMBECTOMY IN MOSCOW

ICCA STROKE 2019



ICCA STROKE
2019

MOSCOW RESULTS 2017

	MOSCOW	Mr Clean STUDY
NIHSS (at admission)	16,2	17
mRs 0-1	22,6%	12% / 6% control group
mRs 0-2	32,5%	33% / 19% control group
TICI IIb - III	72,8%	59%

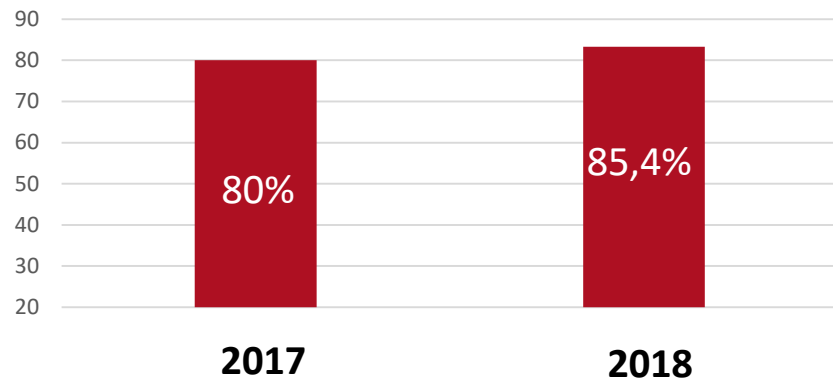
DAVYDOVSKOGO HOSPITAL (MOSCOW)

RESULTS 2018

	2018	MR CLEAN
mRs 6	14,3%	20%
mRs 0-2	50%	33%
GA	17%	-
TICI IIb-III	85,4	59%

DAVYDOVSKOGO HOSPITAL RESULTS 2017 - 2018

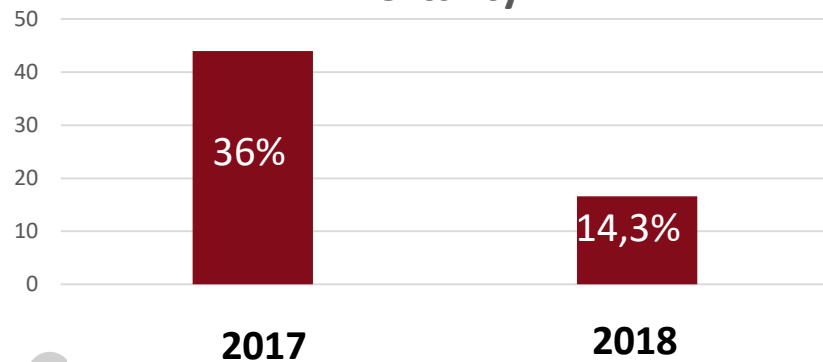
TICI IIb-III



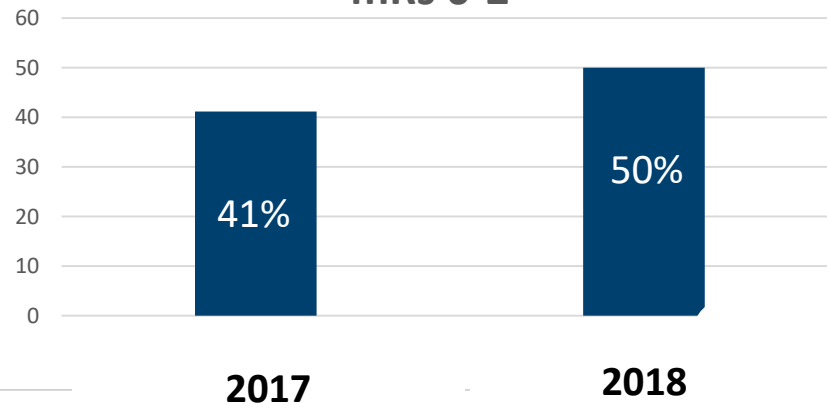
ICCA STROKE 2019



Mortality



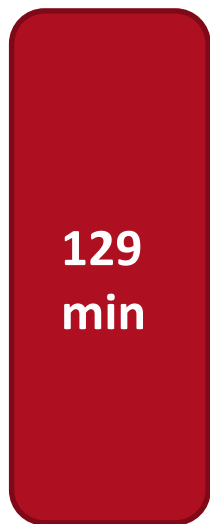
mRs 0-2



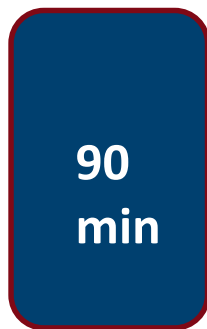


Door to puncture time

Puncture to recanalization time **WIST**



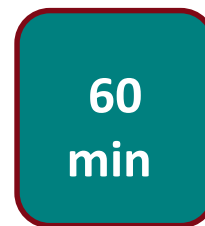
FIRST
6 month
2017



2018



FIRST
6 month
2017

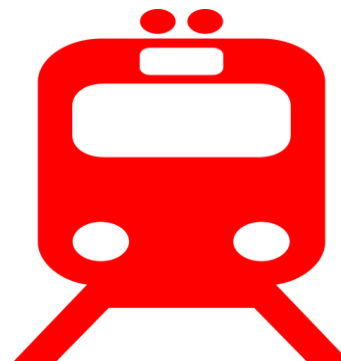


2018



STROKE INFORMATION PROGRAMM

ICCA STROKE 2019



МОЗГ 4.5

Распознай симптомы инсульта и действуй быстро!

Мимика нарушена

- Перекос лица.
- Угол рта опущен

Ослабли рука или нога

- Плотно держатся рука или нога с одной стороны

Затруднена речь

- Речь звучит странно или неразборчиво

Главное - успеть!

- Срочно требуется госпитализация.
- Ждать, что само пройдет - опасно

Тромб закупорил сосуд мозга и кровь перестала поступать, или произошло кровоизлияние

При нарушении кровообращения мозг начинает умирать

Нельзя медлить, иначе мозг не спасти!

Не жди! Звони 103!

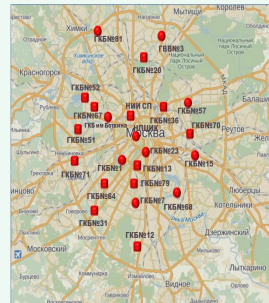
В Москве работает инсультная сеть, врачи смогут помочь, главное - успеть!

ICCA STROKE
2019

EDUCATION



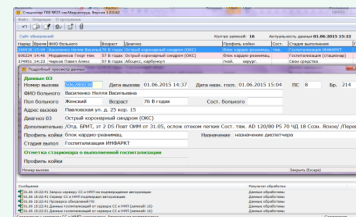
NETWORK BUILDING



REIMBURCEMENT



REGISTER





Conclusion

- «Moscow infarction network» laid the foundation for the «Moscow stroke network» focused on the endovascular treatment of patients with acute ischemic stroke
- Moscow stroke program increased the number of thrombectomy for acute ischemic stroke patients

THANK YOU FOR YOUR ATTENTION!