

EP Working Group of the Moment: a joint initiative between the EHRA National Cardiac Societies Committee, the EHRA Young EP and E-Communications Committees

Presentation of the Kazakh Society of Arrhythmologists



Kazakh Society of Arrhythmologists (KSA) is a specialized association, created on 15-th of November 2014.

Link to KSA: <https://aritmology.kz/>

KSA consists of:

- ✓ President – Ayan Abdrakhmanov, MD, PhD;
- ✓ Vice-president – Adil Baimbetov, MD, PhD and Roin Rekvava, MD, PhD;
- ✓ Secretary – Omirbek Nuralinov, MD
- ✓ Members – 46 physicians with special interest for arrhythmias, including general cardiologists, arrhythmologists, electrophysiologists, pacemaker implanters, fellows, nurses.

The main goals of KSA are:

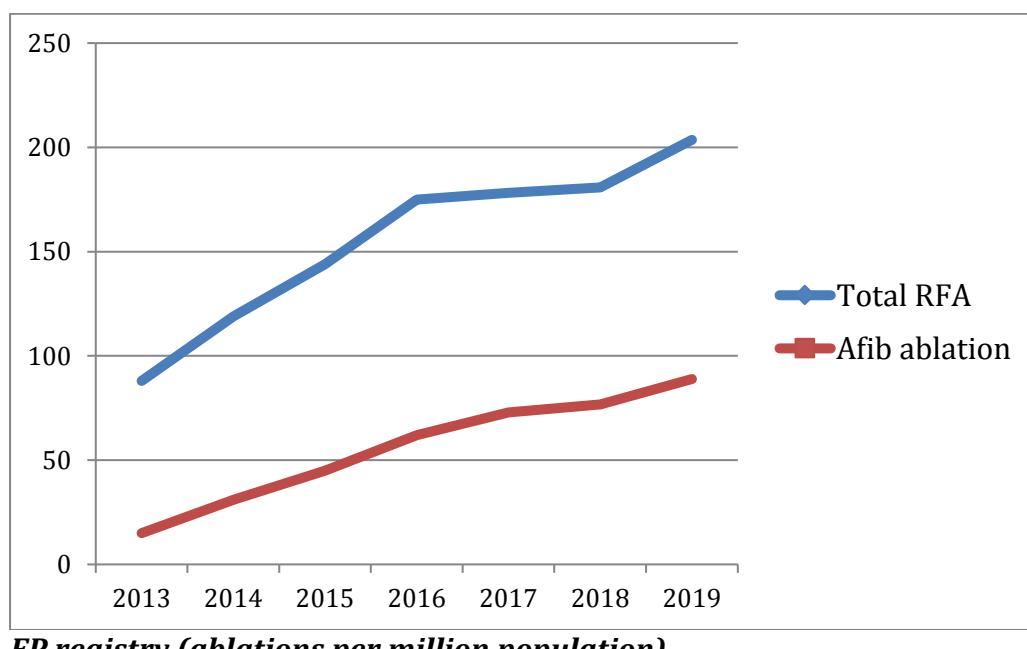
- To develop the EP and cardiac implantable device therapy in Kazakhstan Republic;
- To support research in the field of arrhythmia;
- To educate general cardiologists in the area of cardiac rhythm disorders;
- To promote young cardiologists to pursue a career in electrophysiology (Young EP Community of EHRA)
- To maintain collaboration between KSA members and international similar societies, working groups or EP centres

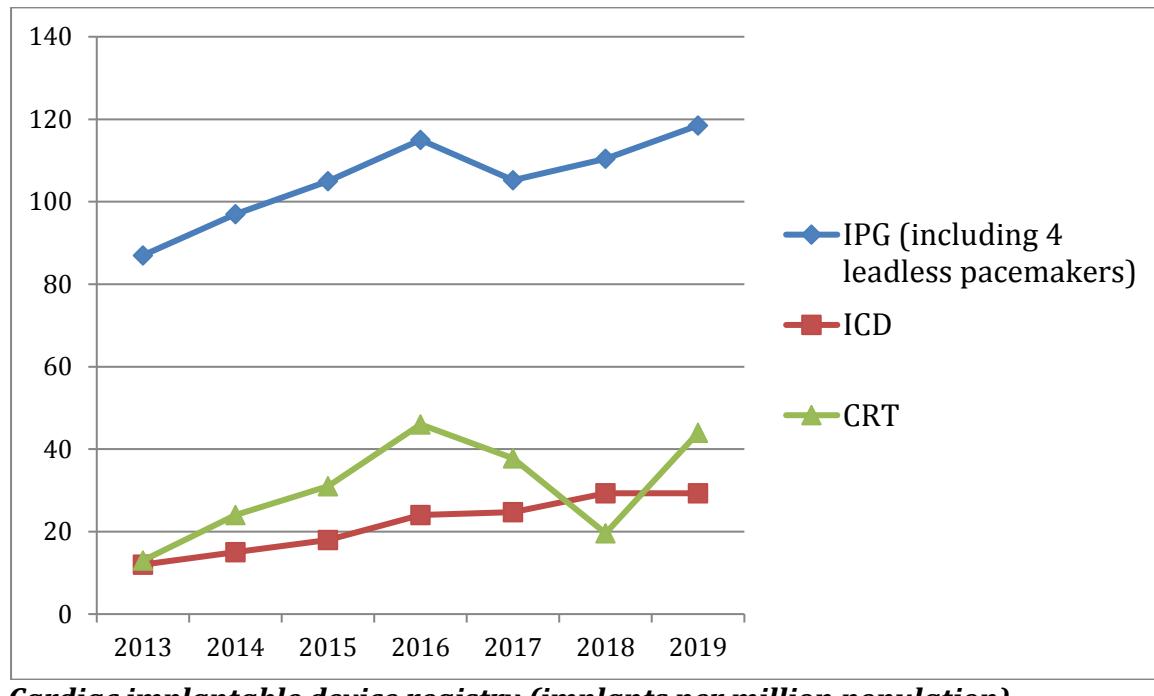
Education

One of the main priorities is education of arrhythmologists (including young EP and fellows) and cardiologists. KSA on a regular basis organize educational activities in the field of clinical EP. Members of the community always take part in annual congresses of the other internal and international societies. 3-4 times per year, KSA organizes master classes in complex arrhythmia ablation (including pediatric arrhythmias) under the guidance of proficient mentors from the leading EP centers. Annually KSA take part in Preceptorship by BIOTRONIK training program. In 2019 Abbot's 360⁰ Master Class was performed with the significant support of KSA.

2019 KSA registry data

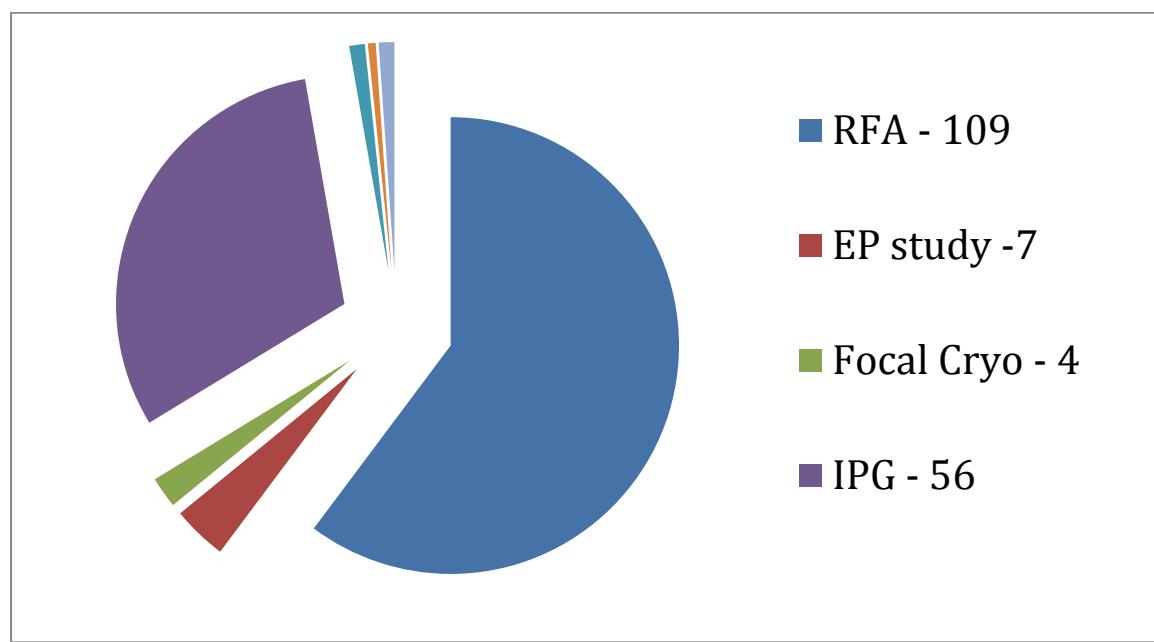
The current population of Kazakhstan is 18.632.169 people as of January, 2020.





Cardiac implantable device registry (implants per million population)

Only 1 center (NRCSC) in Kazakhstan performing pediatric arrhythmologic interventions since 2012.



Pediatric arrhythmology registry for 2019y. (total - 179 interventions)

National meetings

School of clinical electrophysiology and interventional arrhythmology with international participation annually takes place in the capital of Kazakhstan. The main goal of this event is to evolve and support the investigation and education in the field of arrhythmia and share experience with colleagues. Education of specialists from Central Asia (Uzbekistan, Kyrgyzstan, Tadzhikistan), existence of simulating centre over 2 days. During these 2 days, plenty of lectures, master classes with live case translations from the operating room are presented.

Collaboration with EHRA

- **Contribution to EHRA committees**

EHRA National Cardiac Societies committee member – 1 (President of KSA)

- **Contribution to EHRA Young EP Community**

Kazakhstan is represented within EHRA by one Young EP Ambassador and many doctors are part of the EHRA Young EP network

- **Contribution to EHRA 2020 congress faculty**

10 participants

Main achievements

KSA is a relatively young organization, but through the 6 years we can notice increased EP activity. One of the main reasons is the perfect collaboration with EHRA and international EP centers. It leads to growing experience of our physicians, complexity of performing procedures.

- ✓ Number of EHRA members since June 2019: 31 (1 gold, 4 silver, 26 ivory) and since February 2020 – 15 (2 silver, 13 ivory)
- ✓ National Research Cardiac Surgery Center (NRCSC), a leading center in Kazakhstan and Central Asia:
 - single center in Kazakhstan performing EP procedures in pediatric population and pregnancy
 - First procedure using an Advisor HD GRID catheter in CIS countries
 - First leadless pacemaker implantation in CIS countries
 - Single center in CIS countries, performing EP procedures in LVAD patients



KSA actively participates in international registries:

- Global CRYO AF registry;
- Registry ReHoming;
- CRT survey II.

Members of KSA are actively involved in EHRA activities and its committees, supporting the good collaboration between both associations.

