

Research collaboration opportunities and challenges

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Baku, Azerbaijan

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Sciences***

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ANTALYA



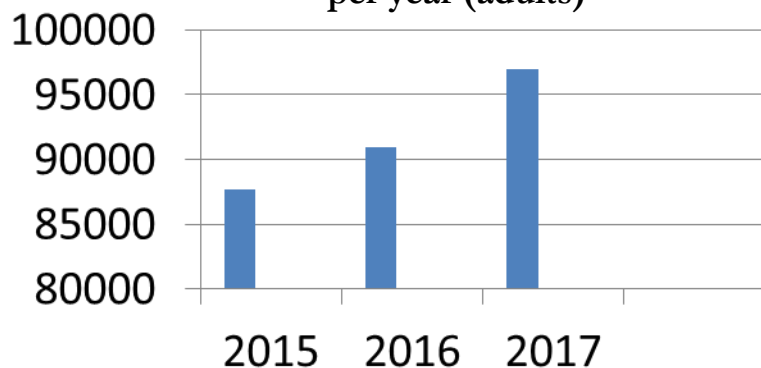
Effective treatment:

National Center of Oncology (www.mom.gov.az)

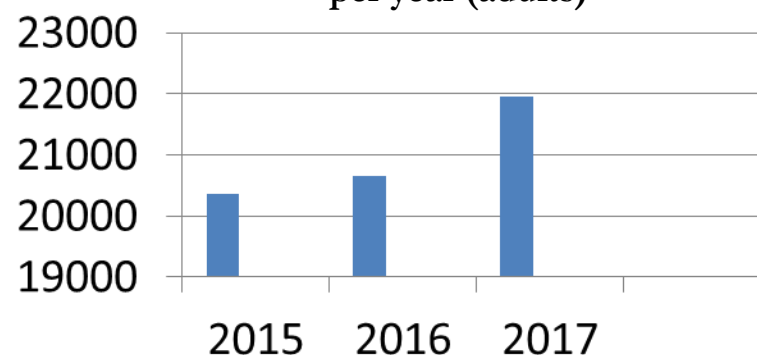
- A leading specialized scientific research institute in the system of oncological service of the Republic
- **1050 Beds, 27 Clinical Departments**
- Clinics for Pediatric Oncology Care
- ≥ 90000 patients (admissions) per year
- Full spectrum of diagnostic, treatment and follow up
- Cancer screenings
- Scientific researches
- Education of specialists



Average number of patients visit
per year (adults)



Average number of inpatients
per year (adults)



National Center of Oncology (www.mom.gov.az)



Treatment:

- ✓ Surgery: 4000-4500 patients;
- ✓ Chemotherapy: 13 500-14 000 patients;
- ✓ Radiotherapy: 2500-3000 patients;



Cooperation

Cooperation agreement signed between National Center of Oncology and **MD Anderson Cancer Center of USA** (15 November 2015).



Cooperation agreement between Turkey Hacettepe University, Gazi and Ege University medical faculty

Cooperation Agreement Signed Between National Center of Oncology and **Orfit Industries of Belgium** (19 January 2015).



Cooperation agreement signed between National Center of Oncology and **Varian Medical Systems of USA** (08 November 2014) – Reference/Training Center.





On March 15, 2015 memorandum was signed between the NCO and the MD.AndersonCancer Center (USA)



Technical Cooperation Programme (AZB 6/008)

2012-2015



International Atomic
Energy Agency

**Implementation Cyclotron and PET-CT in
clinical practice in Azerbaijan**

Achievements

In April, 2016 Nuclear Medicine Centre with PET/CT diagnostics was opened. This Centre was included in program **“Research for Life - EARL”** which was founded by European Association of Nuclear Medicine.



*Acad. Jamil Aliyev and
Dazhu Yang Deputy Director of IAEA*



*Acad. Jamil Aliyev and
Yukiya Amano General Director of IAEA*



Radiotherapy equipment of National Center of Oncology:

- 7- linear accelerators;
- 1- brachytherapy units;
- 1- orthovoltage units;
- 1- Co-60 units;

CT-simulators:

- Siemens Somatom Multislice spiral CT (Germany, 2006) System- 1;
- TOSHIBA Aquilion LB CT (Japan, 2014)- 1;

For radiation therapy:

- TERAGAM K-01 (Co60; Czech Republic, 2005)-1;
- VARIAN Gamma Med 3/24 HDR (USA, 2005,)-1;
- GULMAY Medical Orthovoltage Therapy System (UK,2006)-1;
- VARIAN Clinac Dual mode medical linear accelerator 2100CD SN 3796 (USA, 2008)-1;
- VARIAN Clinac Dual mode medical linear accelerator 2100CD SN 3940 (USA, 2009)-1;
- VARIAN Clinac Single mode medical linear accelerator UNIQUE (USA, 2012)-1;
- VARIAN Clinac Single mode medical linear accelerator 600CD (USA, 2013)-1;
- VARIAN True BEAM (Varian Medical Systems, USA, 2014)-1;
- VARIAN VitalBim Clinac Dual mode medical linear accelerator (USA, 2018)- 2;



Scientific activity

The National Center of Oncology conducts scientific activities

At present, there are 183 scientific employees in the center.:

- 40 senior laboratory assistants.
- 10 doctors of medical science ,
- 53 doctors of philosophy ,
- 6 professors,
- 3 honored scientist etc.

Residency unit:

56 residents have been trained for six years: oncology, radiation diagnostics, radiotherapy, anesthesiology and resuscitation, laboratory work, pathological anatomy and forensic medical examination.

Last two years, 26 scientific works have been performed:

- 169 articles
- 146 abstracts
- 46 articles and abstracts -High Impact Factor.
- 3 books
- 4 manual monographs,
- methodological recommendations etc.



In 2015 NOC had been chosen full member of Union for International Cancer Control.



Multidisciplinary
management and
future perspectives
in Breast Cancer &
Head and Neck
Cancer

15-16 September 2018
Baku, Azerbaijan



ASCO® International





**Prof. David Raben –Colorado University,
Radiotherapy Unite**



**Prof. Julie Gralow -Seattle Cancer
Center**



**Dr. Carlos Garcia-Etienne - Fondazione IRCCS
Policlinico San Matteo, Italy**



**Prof. Herbert Loong -Hong Kong
China University**



Prof. Tan Ince – Miami University





Thank you for your attention!

