Research collaboration opportunities and challenges

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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)

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Visits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>85000</td>
</tr>
<tr>
<td>2016</td>
<td>90000</td>
</tr>
<tr>
<td>2017</td>
<td>100000</td>
</tr>
</tbody>
</table>

Average number of inpatients per year (adults)

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Inpatients</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>19000</td>
</tr>
<tr>
<td>2016</td>
<td>20000</td>
</tr>
<tr>
<td>2017</td>
<td>23000</td>
</tr>
</tbody>
</table>
National Center of Oncology
(www.mom.gov.az)

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

Achievements

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.

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.

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.

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

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Oncology Nursing Society

ASCP
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Milli Onkologiya Markazi
National Center of Oncology

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 İnce – Miami University
Thank you for your attention!