

## **Ten years health care in the OMS Maxillofacial department of the PMSI Oncologic clinic. (2010 – 2020)**

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In October 2007 Dr Rodica Mindruta of the PMSI oncologic hospital (Chisinau, MD) and Dr. Robert van Oort (UMCG , Groningen, NL) defined a project plan (edited Drs. Bart van Oort, Chicago) for a Maxillofacial prosthetic department in the PMSI Oncologic Hospital in Chisinau. The project plan described a need for prosthetic healthcare and reconstruction of maxillary, mandibular and facial defects of 120 patients, calculated over the former 2 years. There was no centre for maxillofacial prosthetics in Moldova and no expertise, resulting into patients who need to help themselves in their communities with functional and visible defects masking with bandages and low speech functions. The project plan (1) described the objective of 5 goals and the success metrics of the project after 2 years.

PUM, Project execution Management in The Hague organized with Dr Van Oort 4 management consults in the PMSI Hospital to prepare the OMS max fac prosthetic clinic and to inform faculty of this project.

The project plan was agreed with the PMSI hospital directory (prof Sofroni, prof Tsibirna and prof Cernat) and The ministry of Health of Moldova and the Health Care Insurance of Moldova.

The financial resources were attained by the foundation Smiles for Moldova and sponsors (see below -2) with a glamorous role in fundraising by Jorgen van der Pol, former patient of Dr. Van Oort and UMCG, with his 4000 km. kayak tour.

Partners were contracted to supervise the reconstruction process , including the department of palliative care and the oncology nursery department of the 3rd floor, in the persons of the Teamleader Dr Rodica Mindruta, Dr Vadim Pogonet (PMSI Hospital), by Urgenta (Dr. George Hille, Utrecht, NL), by Acasa (Felicia Cretu, Chisinau) to start the reconstruction in 2009. The official opening was in 2010 with the presence of the Prime Minister.

The dentist Drs, Valentina Luca and technician Ivan Vilcu received their basic training in the UMCG and Max.Fac laboratory followed by an advanced training program during 10 workshops onsite (from 2011 – 2015) in the PMSI Hospital. The teachers were Dr van Oort, Dr Reintsema and Drs. Strabbing.

The patientcare in the following years till February 2020 , when the Sars-Covid 19 caused a lockdown in the patientcare is presented in the table.

INDICII PRECU UTAI (-indication)	2010- 2011	2012	2013	2014	2015	2016	2017	2018	2019
Proteze oculare (- ocular prosthesis)	20	54	50	68	50	42	77	79	
PROTEZE ORBITALE (-orbital prosthesis)	5	4	5	3	6	6	6	2	
PROTEZE NASALE, AURICULARE (- nose prosthesis, auricular prosthesis)	1	0	2	1	0	1	5	2	
Proteze combined- rebazari (-combination and rebasings)			2	0	3	0	0	0	
Proteze maxilare definitive (- maxillary prosthesis)	8	12	6	1	5	5	8	5	
Proteze mandibulare definitive (-mandibular prosthesis)	0	0	0	0	0	0	1	0	
Proteze faciale (- facial prosthesis)	2	7	2	1	1	1	3	0	
Consult	42	60	86	109	125	112	216	196	
Total patientcare	78	137	153	183	190	167	316	284	

The patientcare of the clinical work and protocols in Head and Neck Oncology and Maxillofacial prosthetics in the PMSI

hospital were reported in 2012 by Dr Rodica Mindruta and Dr van Oort at the conference “Moldmedicin” in Chisinau and in 2015 at the conference of the ISMR (posterpresentation and prizewinner) in Groningen by Dr Rodica Mindruta, Dr Vadim Pogonet and Dr Robert van Oort.

#### Summary:

The onset of a new clinic in OMS Maxfac. in The Moldova PMSI clinic under the direction of the teamleader Dr Rodica Mindruta is a succes after 10 years according to the metrics defined in the project report of 2007.

- Two trained professionals Drs. Valentina Luca and Ivan Vilcu and assistants. The MFP technician is emigrated after 6 years and a new Technician was trained
- The number of patients for care is 3 times higher than the in 2007 estimated in the projectplan .
- The Moldova Insurance company supports with a yearly contract.
- The prosthetic materials from outside are regularly delivered
- The equipment is in a working condition with regular maintenance.
- Moldovan reports about the MFP patientcare are presented in seminars and conferences.

In the following years attention is needed to care for an Out-reach training for the teamleader, the dentist and technician for a number of weeks in Head and neck Oncology and maxillofaical prosthetics in order to keep pace with innovations.

1] Project plan for the MFP for LAMIC Initiative PMSI “Oncologic Clinic” Moldova – Chisinau; 2007

2] Financial contributions from: Dr van Oort & Members of UMCG; Jorgen van der Pol, Kayak sponsortour; National Academics; PUM Senior Experts, Den Hague; NCDO Matra KPA, NL; Foundation Janivo; The Anton Jurgens Foundation; The Innovation Insurance Healthcare; The Netherlands Embassee In Ucraina; Maxmaaktmogelijk, Hilversum. TTL Gerrit van Dijk, TTL maxillofacial Prosthetics, Groningen; Medisch Spectrum Twente.