

Project Objective

To introduce positron emission tomography (PET) in clinical practice in the Republic of Macedonia.

Logical Framework Matrix (LFM) for MAK2007006

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	Design Element	Indicator	Means of Verification	Assumptions
Outcome	<ul style="list-style-type: none"> Improved diagnostic work-up in the management of patients affected by cancer and cardiovascular diseases 	<ul style="list-style-type: none"> Number of PET scans performed 	<ul style="list-style-type: none"> Hospital records 	
Output	<ul style="list-style-type: none"> 1 PET scanning implemented in clinical practice 	<ul style="list-style-type: none"> Number of PET scans performed 	<ul style="list-style-type: none"> Hospital records 	<ul style="list-style-type: none"> Necessary budget
	<ul style="list-style-type: none"> 2 GMP certification for PET radiopharmaceuticals preparation at IPNM 	<ul style="list-style-type: none"> Actual certification obtained 	<ul style="list-style-type: none"> Certificate issued 	<ul style="list-style-type: none"> Certification is not obtained
	<ul style="list-style-type: none"> 3 Personnel trained 	<ul style="list-style-type: none"> Fellowships implemented 	<ul style="list-style-type: none"> reports 	<ul style="list-style-type: none"> Candidates are not suitable for nomination
	<ul style="list-style-type: none"> 4 Guidelines implemented in clinical practice 	<ul style="list-style-type: none"> SOPs prepared and adopted 	<ul style="list-style-type: none"> Quality management system 	<ul style="list-style-type: none"> Guidelines are not produced
Activity	<ul style="list-style-type: none"> 1.1 PET scanner and cyclotron acquired 			
	<ul style="list-style-type: none"> 1.2 Procurement of radiopharmacy 	<ul style="list-style-type: none"> Procurement completed 	<ul style="list-style-type: none"> Reports 	
	<ul style="list-style-type: none"> 1.3 Commissioning and acceptance testing of cyclotron and PET/CT scanner 	<ul style="list-style-type: none"> Missions undertaken 	<ul style="list-style-type: none"> reports 	
	<ul style="list-style-type: none"> 1.4 National Workshop on PET in clinical practice 	<ul style="list-style-type: none"> Workshop carried out 	<ul style="list-style-type: none"> reports 	
	<ul style="list-style-type: none"> 1.5 2010 EM for assessment to PET activities. 			
	<ul style="list-style-type: none"> 2.1 Expert mission to advise on GMP 			
	<ul style="list-style-type: none"> 3.1 Training for 2 radiopharmacists (for 2 months) 	<ul style="list-style-type: none"> training completed 	<ul style="list-style-type: none"> trainee report 	
	<ul style="list-style-type: none"> 3.2 Training for medical doctor 	<ul style="list-style-type: none"> training completed 	<ul style="list-style-type: none"> trainee report 	
	<ul style="list-style-type: none"> 3.3 Training for one medical physicist (3 months) 	<ul style="list-style-type: none"> training completed 	<ul style="list-style-type: none"> trainee report 	
	<ul style="list-style-type: none"> 3.4 Training for 2 technologists (2 months each) 	<ul style="list-style-type: none"> training completed 	<ul style="list-style-type: none"> trainee report 	
	<ul style="list-style-type: none"> 3.5 Local training (two Expert missions) 	<ul style="list-style-type: none"> missions undertaken 	<ul style="list-style-type: none"> reports 	
	<ul style="list-style-type: none"> 4.1 Expert mission to advise 			
	Input	<ul style="list-style-type: none"> 1.1.1 Procurement of PET/CT scanner and cyclotron 		
<ul style="list-style-type: none"> 1.2.1 Procurement of part of radiopharmacy and QA/QC and 				

radiation protection equipment			
▪ 1 .2 .2 If needed should be joined with procurement in 2009			
▪ 1 .2 .3 if needed should be anticipated to 2009			
▪ 1 .2 .4 Procurement of radiopharmacy equipment			
▪ 1 .3 .1 IEX			
▪ 1 .3 .2 IEX			
▪ 1 .4 .1 IEX			
▪ 1 .4 .2 IEX			
▪ 1 .5 .1 2010 EM for assessment of PET related activities.			
▪ 2 .1 .1 2010 Expert mission on implementation of a radiopharmacy for PET tracers			
▪ 3 .1 .1 Radiopharmacist ONE			
▪ 3 .1 .2 Radiopharmacist TWO			
▪ 3 .2 .1 MD one			
▪ 3 .3 .1 Physicist			
▪ 3 .4 .1 Tech ONE			
▪ 3 .4 .2 tech TWO			
▪ 3 .5 .1 IEX			
▪ 4 .1 .1 IEX			

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