



2021

وزارة الصحة الفلسطينية
Ministry of Health



Project Proposal

Providing manual continuous ambulatory peritoneal
dialysis service at Ministry of Health – Gaza Strip

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Project number	2021/081				Date:	11/07/2021	
Project name	Providing manual continuous ambulatory peritoneal dialysis service at Ministry of Health – Gaza Strip				Applicant for the project	General Directorate of Hospitals	
Project duration in months	12 months			Type of project		Within the plan	
						Urgent	
Project field		Construction		Rehabilitation	Machines & Equipment		Therapeutic Services
		Consumables		Training and Scholarship	Operational Expenses		Others (.....)
Implementing body	Ministry of Health				Project Partners		
Beneficiaries	❖ 8 Children who suffer from ESRF and have impossible vascular access to use for HD.				Place of implementation		Rantisi Specialized Pediatric Hospital (RSPH)
Estimated budget (USD)	156,608 USD (One hundred fifty-six thousand six hundred eight dollars)						
Summary of the project (Overview of the project idea and requirements to solve current problem)	<p>The idea of project is to provide manual continuous ambulatory peritoneal dialysis (mCAPD) service at Ministry of Health – Gaza Strip. CAPD is the most widely used form of peritoneal dialysis worldwide. mCAPD is one of the most uncomplicated method of carrying out dialysis. It involves the manual instillation of up to 3 L of dialysis fluid in the peritoneal cavity through an indwelling abdominal catheter four to five times a day. This typically means three or four short dwells during the day and a long dwell overnight. Thus dialysis occurs continuously throughout the entire 24-hour period and patients are free to engage in daily activities between exchanges. Continuous ambulatory peritoneal dialysis (mCAPD) does not require a machine to do the exchanges. This service is unavailable in Gaza and the child who need this service has to be referred to Israel. The Israeli hospitals offering the automated peritoneal dialysis (APD), which using a device called PD-cycler, which need electric current to work it, and as we know electric current is a big problem in Gaza. So, manual CAPD, can be started in Gaza Strip, in order to prevent the frequent referrals and their eminent risks, particularly in COVID-19 pandemic.</p>						
Project justifications	<ul style="list-style-type: none"> • This service is unavailable in Gaza Strip yet. • This service is the only choice for many kidney patients and even may be lifesaving. 						

<p>Project objectives</p>	<p>Overall goal:</p> <p>Improving the quality of health services for renal failure patients in the hospitals of the Ministry of Health by providing mCAPD service.</p> <p>Specific objectives:</p> <ol style="list-style-type: none"> To introduce mCAPD service in Gaza Strip. To minimize referring the patients to Israeli hospitals for mCAPD. To reduce patients suffering from the burden of the frequent travels. To train 1 surgeon for laparoscopic insertion of the Tenckhoff's catheter, 1 doctor (pediatric nephrologist), and 3 nurses. To provide the necessary medicines and consumables for mCAPD service. 																																																																
<p>Current indicators</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Unavailability of mCAPD service in Gaza Strip. <input type="checkbox"/> Patients who need mCAPD are still referring abroad. 																																																																
<p>Expected indicators after implementing the project</p>	<ul style="list-style-type: none"> ✓ Availability of mCAPD service in Gaza Strip. ✓ Minimizing the need of referring patients abroad for treatment. 																																																																
<p>Schedule of the main project implementation phases</p>	<table border="1"> <thead> <tr> <th rowspan="2">Stage</th> <th colspan="12">Duration (months)</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> </tr> </thead> <tbody> <tr> <td>Preparation</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Implementation</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Evaluation and closure</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Stage	Duration (months)												1	2	3	4	5	6	7	8	9	10	11	12	Preparation													Implementation													Evaluation and closure												
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Sustainability of the project	<ul style="list-style-type: none"> ✚ The contribution of the Ministry of Health to purchase the required materials through direct purchase or through other projects in the future. ✚ Availability of trained nephrologists and dialysis nurses. 		
Project monitoring & evaluation	<ul style="list-style-type: none"> ➤ Follow up the periodic and final reports of the project. ➤ Report on the impact of project implementation on relevant indicators before implementation. 		
Annexes	- Detailed budget for the project.		
Preparation & supervision	Project designer: Mr. Mahmoud Elkhateeb		Director of projects preparation department: Dr. Hamza Abdeljawad
Contact	Name:	Dr. Abdellatif El-Hajj	Job title: General Director of International Cooperation and Projects
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Budget for the PD for 8 children

#	Item	No. of units/patient per year	Unit cost (\$)	Total cost (\$) /patient/year	Total cost (\$) /8 patients/year	Paid for once
1.	<u>Laparoscopy:</u> Telescope 5mm Trocar 5mm Endoclip	30	30	900 10	7,200 80	5,000
2.	Tenckhoff catheter	1	290	290	2,320	
3.	Twist extending catheter	2	260	520	4,160	
4.	Dialysate bags (2000 cc set) with complete drainage system	915	16	14,640	117,120	
5.	Disinfecting minicap	915	2	1,830	14,640	
6.	Organizer	1	10	10	80	
7.	Disinfectant face masks and dressings	366	366	366	2,928	
8.	Spring scale	1	10	10	80	
9.	<u>Staff training:</u> 1 surgeon 1 nephrologist 3 nurses					5,000
Total cost (\$)				18,576	148,608	10,000
Grand total (\$)					158,608	