



2023

وزارة الصحة الفلسطينية
Ministry of Health



Project Proposal

**Improvement and development of plastic surgery and
breast reconstruction at Al-Shifa Medical Complex in
the Gaza Strip - Ministry of Health**

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Project number	058/2022				Date:	00/00/2023	
Project name	Improving breast surgery and restoration and developing plastic surgery in the Gaza Strip - Ministry of Health				Applicant for the project	General Administration of Hospitals	
Project duration in months	3 to 6 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 - Gaza Strip				Project Partners		
Beneficiaries	Patients who have had a partial or complete mastectomy, and patients who need plastic surgery				Place of implementation	Alshifa Medical Hospital	
Estimated budget (USD)	Four hundred fifty thousand						
Summary of the project (Overview of the project idea and requirements to solve current problem)	The Breast Surgery Unit at Al-Shifa Medical Complex in the Gaza Strip is one of the addresses of specialized surgery, which has achieved a qualitative addition within the specialized surgical services in the complex. About 1,300 cases are seen annually within the pre-booking list, in addition to tumor cases and follow-up imaging cases, which are examined outside the pre-reservation system, where hesitant cases are examined and diagnosed and a follow-up plan for each patient is developed according to scientific principles, as well as follow-up of breast surgery cases after various surgeries. Ensure that the treatment plan is completed This project is considered to be an improvement in the service of breast reconstruction surgery and plastic surgery in the Al-Shifa Medical Complex in the Gaza Strip. The number of breast cancer cases in the Gaza Strip has reached approximately 360 cases annually, equivalent to 18.7% of cancer cases in the Gaza Strip. To remove tumors from the breast, it is necessary to remove part of the breast or completely remove it. The number of annual mastectomy cases in the Gaza Strip is approximately 350 cases. The process of removing the breast or part of it has a psychological impact that is often reflected in the social and family relationships, and in order to reduce the psychological impact on the patients and their families, the patients need an operation to restore the breast, and these operations require a variety of surgical equipment, microscope and tools, including microscopic tools, special tools for liposuction, and a device hand Doppler....etc. This project also allows to improve the plastic surgery service for the rest of the cases that need plastic surgery, such as leg restoration after accidents and injuries, restoration of the abdominal and pelvic wall, cleft lip operations and congenital defects.						

	Thus, the provision of these equipment and tools is of high importance in improving and providing a therapeutic service to patients to reduce the psychological effects resulting from surgical operations and congenital defects and deformities.
Project justifications	• A shortage of surgical tools to perform breast reconstruction surgeries. • The need to provide devices that help in performing the surgical operation with modern and advanced technology. • An increase in the number of cases that need breast reconstruction. • Alleviating the suffering of patients who need a restoration service and reducing the psychological effects.
Project objectives	<u>General objective:</u> Contribute to improving the service provided to breast cancer patients in the Gaza Strip who need breast augmentation and reconstruction <u>Special goals:</u> • Alleviating the suffering of patients who need a restoration service and reducing the psychological effects. • Providing the Department of Plastic Surgery and Breast Reconstruction at Al-Shifa Hospital with modern surgical equipment and tools necessary to perform breast. • Improving the breast reconstruction service at Al-Shifa Medical Complex to cover all of the Gaza Strip • Enhancing the psychological state after breast restoration operations and its return to normal shape.
Current indicators	☐ An increase in the number of cases of mastectomy to remove tumors and need surgeries to restore the breast. ☐ Lack of modern surgical tools to perform breast reconstruction. ☐ The current surgical tools are old and insufficient to perform this type of operation. ☐ The existing medical devices are not modern and undeveloped, and some of them are not available to perform this type of operation. ☐ The inability to perform these operations in private centers because of their high cost and the poor financial situation of patients and their families. ☐ Increasing the suffering of patients due to the psychological effects after mastectomy, which are often reflected in social and family relationships.
Expected indicators after implementing the project	• Improving the Department of Plastic Surgery and Breast Reconstruction due to the presence of advanced surgical devices, equipment and tools. • An increase in the number of cases for which the operation was performed. • Overcoming technical difficulties during the surgical procedure. • Decreased psychological effects for patients after undergoing breast reconstruction. • Improving family and social relations of patients with their families.

	• Providing services to a large number of patients in the Gaza Strip.																																																																												
Schedule of the main project implementation phases	<table><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><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></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	• The Ministry of Health has a qualified medical staff with high experience to perform breast reconstruction. • The Ministry of Health has a qualified technical staff to carry out maintenance work for medical devices and surgical instruments. • The Ministry of Health provides the necessary spare parts for the maintenance of medical devices and surgical instruments.																																																																												
Project monitoring & evaluation	☐ Reports on quotation and award according to the required specifications. ☐ Report of the requesting party and the concerned technical authority regarding the receipt of medical devices and equipment and their efficiency in work. ☐ Follow-up periodic and final reports of the project. ☐ A report on the impact of project implementation on relevant indicators prior to implementation.																																																																												
Annexes	• Lists that include the need for medical devices, surgical instruments and medical consumables.																																																																												
Preparation & supervision	Project designer: Mahmoud A. Rasheid						Director of projects preparation department: Eng. Abdullah Al-Buhairi																																																																						
Contact	Name:	Dr. Marwan Abu Sada				Job title:		General Director of International Cooperation and Projects																																																																					

*** List of the needed of Medical devices**

1. Liposuction/Lipofilling machine and set. One machine Microaire and 100 of disposable containers.
2. Revolv (Lipofilling
3. VAC machines (*ten) and dressings (50* sponges & dressing).

***List of the needed sets and instruments for Department of Breast Reconstructive Surgery in the Gaza Strip :**

1. Breast free flap set (3* sets).
2. Abdomen free flap set (3* sets).
3. Microvascular anastomotic Coupler . (3* Sets)
4. S & T Basic Hand Microsurgery set (2*sets).
5. S & T Basic Reconstructive Microsurgery set (2*sets).
6. Flow Coupler device & System (3*)
7. Infiltration set and cannulae (4 Pieces
8. Lighted disposable breast retractors
9. Flow Coupler device & System (3*)
10. Liposuction cannulae (four Pieces of sizes 3,4 & 5, both short and long cannulae).

***List of the needed Surgical disposables:**

1. Microsutures. 8/0 , 9/0 & 10/0 S & T, Twenty boxes size 8 & 9, Two boxes 10 (Each box with 12 Microsutures).
2. Disposable Ligaclips; small, Medium & Large (60* each)
3. Micro and supermicro Ligaclips (240 Pieces each).
4. Revolv (Lipofilling disposable set). 50 Items
5. Stratafix size 0,2/0 & 3/0 twenty boxes each.
6. Nylon Loop stitches size 0 (twenty boxes).
7. Breast Implants; expanders, sizers and Implants
8. Meshes & ADM.

- **Acellular dermal matrix (Biologic mesh) for reconstruction of the abdominal wall and breast.. Surgimend 2,3 & 4 thickness; small, medium & large sizes (total of 30)..**
- **Synthetic mesh for abdominal wall reconstruction.. Prolene; Small, medium & large**