

BNAI ZION MEDICAL CENTER

AUGUST 2024



SOLDIER REHABILITATION & HOSPITAL UPDATE

Wartime in Israel

AUGUST 2024

YOUR GENEROSITY AT WORK

\$1.3 Million Raised Since October 7



1) UPGRADED REHABILITATION EQUIPMENT



Prior to your support, the Bnai Zion Rehabilitation Department was in part operating on decades-old equipment.

With your help following October 7, the following upgrades were made to treat injured soldiers living in the North:

- Vision Rehabilitation: **new** RehaCom System
- **New** anti-gravity treadmill (pictured left), parallel bars, and electric steps
- **6 new** physiotherapy beds and **dozens** of new wheelchairs
- **42 new** electric beds
- **Doubled** the amount of rehab hours by adding an additional evening shift

Bnai Zion has the **only** Soldier Rehabilitation Department in the North.

It is made up of the following specialties: **Physiotherapy, Occupational Therapy, Hydrotherapy, & Psychological Therapy.**

2) REHABILITATED SOLDIERS & REUNITED FAMILIES

VIDEO: CAPTAIN NIV NIR REUNITES WITH HIS FAMILY

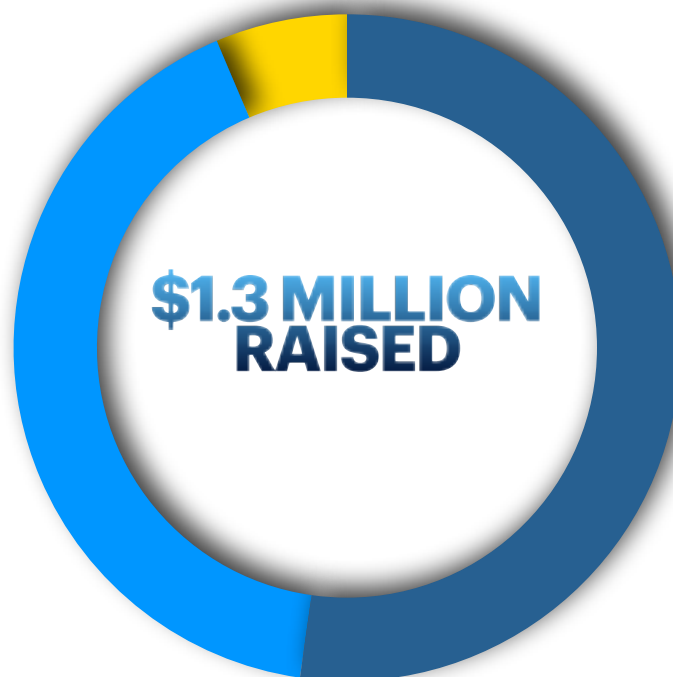


CLICK ON IMAGE TO PLAY VIDEO

By leveraging your generous donations, hospital CEO and former Chief Medical Officer of the Israeli Navy, Dr. Ohad Hochman, converted Bnai Zion's Rehabilitation Department to be the only **Soldier Rehabilitation Department in the Northern Israel**.

Once injured, these brave young adults, who had already experienced the unthinkable, were **commuting hours** to hospitals in the center of Israel for care every day. Even worse, families with young children, who had already sacrificed so much, were forced to **travel miles** to see their inpatient loved ones in critical care.

● Community Donations ● Foundation Grants
● April 2024 Gala



SOLDIER SPOTLIGHT #1 **DEPUTY INFANTRY COMMANDER**

Soldier #1 was shot in the head in Gaza in February 2024 and lost his left eye. The bullet came through his eye socket and lodged into the frontal lobe of his brain leading to major memory loss.

He attained rank amongst his peers due to his exceptional leadership skills, **so the main rehabilitation goal was to regain his cognitive function**, also known as his ability to think.

He was treated with Cognitive Rehabilitation Technology purchased in April 2024.

After intensive months-long treatment, he has returned to IDF service as a lecturer for incoming IDF recruits. He will live with a bullet in his brain and suffers from chronic headaches. He attends outpatient rehabilitation 20 minutes away from his family 2x a week (including Psychological Therapy) and has joked with his doctors that **he never thought that he would feel relief when coming to the hospital.**

SOLDIER SPOTLIGHT #2 **GAZA BORDER COMBAT SOLDIER**

Soldier #2 was shot in the arm and chest on October 7 and his life was saved when he was moved to a local classroom to **wait for 9 hours** while the rest of his squad was murdered.

Upon discovery, he was immediately transferred to Sheba Medical Center for emergency surgery and **was unable to regain arm function** upon arriving to the Soldier Rehabilitation Department in October.

After 2 months of little-to-no progress, he was transferred back to Sheba for advanced surgery which relocated nerves from his legs to his arms which **did not go as planned**.

Post-procedure, his arm was still immobile and he was plagued by so much new and intense pain that he **reached the status of amputee candidate**.

He was transferred to a hospital in the USA that attempted a similar surgery with the nerves in his other leg and **landed back at Bnai Zion to recover**.

Virtual Reality Occupational Therapy: while connected to an Ultrasound Machine, his treatment includes tracking every single nerve-muscle connection in his arm one-by-one to isolate and improve its functioning.

SOLDIER SPOTLIGHT #3 **DEFENDED KIBBUTZ BE'ERI ON OCTOBER 7**

Soldier #3 was shot in the pelvis and sustained bad vascular and nerve injuries which left him unable to control his groin functions.

He was admitted to Bnai Zion for 3 months and after 2 successful surgeries and subsequent months of sustained outpatient care, he was able to fully recover to normal.

Holistic Treatment: Pelvic Floor Rehabilitation, Physical, & Psychological Therapy

WORST CASE SCENARIO PREPARATION

3) EQUIP UNDERGROUND HOSPITAL COMPLEX

| Equipment | Price Per Unit | Amount Required |
|--|----------------|--------------------------|
| Electric bed | 3,000 \$ | 100 25 |
| Mobile computer cart | 3410 \$ | 20 |
| Fluid warmer & supplier under pressure | 19,500 \$ | 1 |
| Patient's bed monitor | 15,200 \$ | 30 |
| Defibrillator | 11,500 \$ | 2 |
| LEVEL 1 under pressure blood device | 4,000 \$ | 5 |
| Wheelchair | 210 \$ | 130 0 |
| Diatreme | 12,000\$ | 2 |
| Ultrasound Device | 36,000 \$ | 3 |
| ECG | 4,300 \$ | 10 |
| Ventilator | 13,500 \$ | / 3 |
| Anesthesia Machine | 71,000 \$ | / 2 |

4) DOUBLE THE SIZE OF THE ICU

Intensive Care Unit Size August 2024: **7 Beds**

Emergency Expansion: **14 Beds**

Cost per ICU Bed: **\$25,000**

FUTURE DIRECTION

1) ZEISS OPMI PICO MICROSCOPE SYSTEM FOR EAR, NOSE, THROAT

The ENT department relies on an ear microscope to diagnose middle ear conditions, including infections and eardrum tears. Unfortunately, we have seen a significant increase in such cases among the soldiers hospitalized with us. Blast injuries, which are prevalent in the current conflict, have taken a severe toll on the hearing of these brave individuals.

The ear microscope enhances diagnostic accuracy, enabling us to make informed decisions about the necessity of surgical intervention. Our current microscope, however, is over 20 years old. A new device would not only improve diagnostic precision but also allow for the documentation and photographing of findings, ensuring they can be preserved for further follow-up after surgery.

\$34,000

2) NAVIGATIONAL SYSTEM FOR OCULOPLASTIC SURGERY

This cutting-edge technology will enable our surgeons to perform highly precise reconstructive surgeries for soldiers and civilians with complex visual injuries.

In recent months, we have witnessed an unfortunate rise in the occurrence of traumatic injuries, particularly among soldiers. These injuries often involve complex visual and optical trauma, presenting significant challenges in terms of reconstruction and rehabilitation.

\$150,000

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יותר מבית חולים



חפשו אותנו ברשת - המרכז הרפואי בני ציון



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הפקולטה לרפואה, הטכניון | Faculty of Medicine, Technion

שם המחלקה
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3) INTELLIGENT TRANSPORT VENTILATION FOR NEONATES

This device is essential for safely relocating neonatal babies during emergencies, ensuring their survival and health.

We are currently in great need of an intelligent transport ventilation for neonates, which is an essential device to support the relocation of neonatal babies.

The need for such a complex maneuver rises especially when they need to be transferred from the delivery room after birth to the neonatal intensive care unit or in case of emergency (during sirens and under missiles attack) when need to be transferred to a safe area.

To minimize all influences on the baby, such as rearrangements, vibrations, and noise, this device serves as an open and closed therapy unit.

This is essential for the care of premature babies, especially in small sensitive premature babies, and saves the need to transfer these babies from one therapy device to another, from an open radiant warmer to a transport incubator, and then to an incubator on the ward.

\$54,000

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