The Difference You Make

- Hope
- Patients
- Staff
- Political stability
- Training
The Muristan
بیمارستان

- The medieval hospital had stood in the Muristan district
- Muristan' - from the Persian Bimarestan - ‘Hospital’

Site of the Hospice of Italian merchants from Amalfi and Salerno in 1023
Hospital of St John in East Jerusalem

Built 1960
St John of Jerusalem Eye Hospital Group

• The only charitable centre for expert eye care in Jerusalem, the West Bank & Gaza Strip (M4.3)
• All patients are treated, irrespective of race, religion & ability to pay
• 2012: 111,498 patients
• First Palestinian hospital to receive JCI accreditation.
The Hospital Group

Locations

Jerusalem
Anabta Clinic
Hebron Hospital
Gaza Clinic

Plus: Mobile

Outreach Clinics
The St John Hospital Group

Patients treated in 2013

<table>
<thead>
<tr>
<th>Location</th>
<th>Total</th>
<th>Adults</th>
<th>Children</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>110,000</td>
<td>80,000</td>
<td>30,000</td>
</tr>
<tr>
<td>Jerusalem Hospital</td>
<td>20,000</td>
<td>15,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Anabta Centre</td>
<td>10,000</td>
<td>8,000</td>
<td>2,000</td>
</tr>
<tr>
<td>Hebron Hospital</td>
<td>5,000</td>
<td>4,000</td>
<td>1,000</td>
</tr>
<tr>
<td>Gaza Clinic</td>
<td>2,000</td>
<td>1,500</td>
<td>500</td>
</tr>
<tr>
<td>Outreach Teams</td>
<td>1,000</td>
<td>800</td>
<td>200</td>
</tr>
</tbody>
</table>
GAZA: Day Hospital

Population: 1.8M
0-14 years: 45%
(UK 18%)
15-64 years: 52.7%
(UK 66%)
>65 years: 2.7%
(UK 16%)

Infant mortality
22/1,000 live births
(UK 4.9)
The Population St John Serves

• 4.26 million Palestinians in the West Bank and the Gaza Strip.
• 30% are under the age of 10.
• More than 33% lack food security.
• Blindness: 10x higher than UK
• 12-15% are diabetic & 25 x more likely to develop blindness.
Oculoplastics

- Injuries
- Removing an eye
- Tumours
- Disfigurement
- Watery eyes
Tumour work
Hemifacial Plexiform Neuroma (NF I)
Paediatric Work at St John Eye Hospital
• Over 30% of the population are younger than 10 years old
• How many children can you see?
### Surgical List - Example

**Date: Friday 28 April 2006**

#### Theatre I at 8:00 AM

<table>
<thead>
<tr>
<th>Ward Bed No</th>
<th>Name</th>
<th>Card No</th>
<th>Sex</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>FW</td>
<td>Rawan Michel</td>
<td>2006/3195</td>
<td>F</td>
<td>20 yrs</td>
</tr>
<tr>
<td>CW</td>
<td>Amro Marwan</td>
<td>2005/10109</td>
<td>M</td>
<td>9 yrs</td>
</tr>
<tr>
<td>MW</td>
<td>Dia’ A’ Latif</td>
<td>2005/6498</td>
<td>M</td>
<td>20 yrs</td>
</tr>
<tr>
<td>MW</td>
<td>Riad A’ Hadi</td>
<td>2005/5645</td>
<td>M</td>
<td>27 yrs</td>
</tr>
<tr>
<td>FW</td>
<td>Zuhour Ahmad</td>
<td>13730 G</td>
<td>F</td>
<td>16 yrs</td>
</tr>
<tr>
<td>MW</td>
<td>Yameen Ahmad</td>
<td>2004/6770</td>
<td>M</td>
<td>12 yrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation</th>
<th>Surgeon</th>
<th>Anaes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lt ALR</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 hr</td>
</tr>
<tr>
<td>Rt ALR</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 hr</td>
</tr>
<tr>
<td>Bil Z Plasty</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 2 hrs</td>
</tr>
<tr>
<td>Rt revision of notch below Rt brow</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 45 mins</td>
</tr>
<tr>
<td>Bil fascia lata ptosis correction</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 2 hrs</td>
</tr>
<tr>
<td>Bil Z plasty + blepharoplasty</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 1/2</td>
</tr>
</tbody>
</table>

#### Theatre I at 3:00 PM

<table>
<thead>
<tr>
<th>Ward Bed No</th>
<th>Name</th>
<th>Card No</th>
<th>Sex</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>CW</td>
<td>Amira Ayed</td>
<td>03992 J</td>
<td>F</td>
<td>10 yrs</td>
</tr>
<tr>
<td>MW</td>
<td>Omar Mohammed</td>
<td>2004/9867</td>
<td>M</td>
<td>35 yrs</td>
</tr>
<tr>
<td>CW</td>
<td>Mutseem Ismail</td>
<td>2005/8852</td>
<td>M</td>
<td>7 yrs</td>
</tr>
<tr>
<td>MW</td>
<td>Hussen Yousef</td>
<td>2006/2689</td>
<td>M</td>
<td>24 yrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation</th>
<th>Surgeon</th>
<th>Anaes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lt ALR</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 hr</td>
</tr>
<tr>
<td>Lt re-attachment of left lower lid medially</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 1/2</td>
</tr>
<tr>
<td>Bil fascia lata brow suspension</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 2 hrs</td>
</tr>
<tr>
<td>Rt Z plasty outer canthus + reposition of LCT</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 1/2</td>
</tr>
</tbody>
</table>

#### Theatre II at 8:00 AM

<table>
<thead>
<tr>
<th>Ward Bed No</th>
<th>Name</th>
<th>Card No</th>
<th>Sex</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>MW 4</td>
<td>Rayeq Abu Safic</td>
<td>2006/1925</td>
<td>M</td>
<td>50 yrs</td>
</tr>
<tr>
<td>FW 2</td>
<td>Yussra Iheem</td>
<td>2005/1093</td>
<td>F</td>
<td>60 yrs</td>
</tr>
<tr>
<td>MW 16</td>
<td>Dandi Suei</td>
<td>2005/1009</td>
<td>M</td>
<td>78 yrs</td>
</tr>
<tr>
<td>MW Day Case</td>
<td>Yacoub Masud</td>
<td>2003/4273</td>
<td>M</td>
<td>73 yrs</td>
</tr>
<tr>
<td>OP</td>
<td>Qasem Ibrahim</td>
<td></td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>OP</td>
<td>Farmeh Najati</td>
<td>2006/3173</td>
<td>F</td>
<td>68 yrs</td>
</tr>
<tr>
<td>FW 12</td>
<td>Thimina Barakat</td>
<td>2003/34486</td>
<td>F</td>
<td>66 yrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation</th>
<th>Surgeon</th>
<th>Anaes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lt plaque + IOL HTN on Rx</td>
<td>Dr. Sargent</td>
<td>LA</td>
</tr>
<tr>
<td>Rt plaque + IOL + removal of membrane</td>
<td>Dr. Sargent</td>
<td>LA</td>
</tr>
<tr>
<td>Rt plaque + IOL HTN on Rx</td>
<td>Dr. Sargent</td>
<td>LA</td>
</tr>
<tr>
<td>Rt plaque + IOL</td>
<td>Dr. Sargent</td>
<td>LA</td>
</tr>
<tr>
<td>Bil propping</td>
<td>Dr. Sargent</td>
<td>GA</td>
</tr>
<tr>
<td>Incision of chalazion</td>
<td>Dr. Sargent</td>
<td>GA</td>
</tr>
<tr>
<td>Rt DCR</td>
<td>Dr. Bashir</td>
<td>GA</td>
</tr>
</tbody>
</table>

**Date: Sunday 30 April 2006**

#### Theatre I at 8:00 AM

<table>
<thead>
<tr>
<th>Ward Bed No</th>
<th>Name</th>
<th>Card No</th>
<th>Sex</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>CW</td>
<td>Ghaida Naef</td>
<td>2006/3225</td>
<td>F</td>
<td>4 yrs</td>
</tr>
<tr>
<td>CW</td>
<td>Mahmoud Ali</td>
<td>3229 V</td>
<td>M</td>
<td>4 yrs</td>
</tr>
<tr>
<td>CW</td>
<td>Rabaf Omar</td>
<td>2005/8240</td>
<td>F</td>
<td>48/12</td>
</tr>
<tr>
<td>MW</td>
<td>Dia’ Ghasan</td>
<td>2006/3226</td>
<td>M</td>
<td>16 yrs</td>
</tr>
<tr>
<td>FW</td>
<td>Wafa’ Mahmoud</td>
<td>2004/8816</td>
<td>F</td>
<td>37 yrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation</th>
<th>Surgeon</th>
<th>Anaes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lt ALR</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 hr</td>
</tr>
<tr>
<td>Lt DIA + fitting of artificial eyelid strip</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 1/2</td>
</tr>
<tr>
<td>Rt ALR</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 hr</td>
</tr>
<tr>
<td>Bil ALR</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 1/2</td>
</tr>
<tr>
<td>Lt ALR</td>
<td>Mr. Tyers + Dr. Verity</td>
<td>GA 1 hr</td>
</tr>
</tbody>
</table>
All oculoplastic operations (277)

- Lid: 59%
- Lacrimal: 25%
- Orbit & Socket: 16%
Droopy Lid – ‘Ptosis’
Congenital myogenic dystrophy

- Relatively common
- Genetic component
- Muscle both contracts and relaxes inadequately
- Child does not ‘grow out of it’
- Surgery is needed
Droopy Lid

Eyebrow effort

Poor closure
Risk of ‘LAZY EYE’

Unless the eyelid is lifted
A leg up..
Other syndromes with droopy lids: Blepharophimosis Syndrome
Blepharophimosis Ptosis Epicanthus Inversus Syndrome (BPES)

- Phimosis of palpebral aperture
- Ectropion of lower lid
- Telecanthus
- Epicanthus: various forms
- Ptosis, poor levator function
Surgery for this syndrome

Ingenious medical Origami?

Acknowledgement: Mr A G Tyers
Other forms of congenital disfigurement
Crouzon’s syndrome
Anophthalmos & Microphthalmos
Haemangiomas

(Benign growth of blood vessels)
Ultrasonography

Colour flow map

Spectral Doppler techniques

- A region of vessels is selected using a gate
- A spectrogram of velocity vs time is plotted
- Arterial flows are seen to repeat with systole
Cancer treatment

Cure sometimes
Treat often
Care always

— Hippocrates
A seven year old and his mother from Bethlehem

Rhabdomyosarcoma
Rhabdomyosarcoma – post op

Subsequent referral to specialist Oncology Unit
Every rarity..
‘Rosai Dorfman syndrome’
Rare lid lumps
Men think epilepsy divine, merely because they do not understand it. But if they called everything divine which they do not understand, why, there would be no end of divine things.

— Hippocrates

As given in Carl Sagan *Cosmos* (1985), 145.
Injury

• Injury to the eyes and eyelids is very common
• Average age of 12.3 yrs.
• Removal of an eye is commonly needed
Injury
All oculoplastic operations (277)

- Lid: 59%
- Lacrimal: 25%
- Orbit & Socket: 16%
Buphthalmos (Ox eye)
Buphthalmos
The bivalve technique

Islandise the optic nerve to free the scleral ‘valve’
Evisceration surgery
The Difference You Make
Hope
Hope

Financial contribution

Commitment

Compassion

Skills

Time
Staff
Sustained financial support
Well-administered Hospital

Local employment in a protected environment
The St John Eye Hospital Group

High quality eye care

- Training Doctors
- Training nurses & orthoptists
- Screening programs
- Well administered hospital
- Sustained financial support
Life is short, the Art long, opportunity fleeting, experience treacherous, judgment difficult. The physician must be ready, not only to do his duty himself, but also to secure the co-operation of the patient, of the attendants and of externals.

— Hippocrates

Summary

• 4.26 M Palestinians inhabit the West Bank and Gaza Strip.
• 30% are under the age of 10.
• Massive ophthalmic work load
• Stressed geopolitical region
Why donate to Charity?

• Charity makes donors happier?
• Improves their self-esteem?
• Improves social cohesion? (Strahilevitz, 2011).
• *Does altruism exist?*
Why support St John?

• Because there is a need
• Because we can
• Because we cannot be inactive while there is a moral imperative to act
• Because St John is a highly efficient organisation that delivers
• Because there is a legacy of Charity
‘The only requirement for injustice to triumph ..

.. is that good men (and women) do nothing’
Continuing the Legacy of the Hospitallers

- Religious order
- Devoted to nursing sick Pilgrims.
- 1023: Hospice of Amalfi traders
- 1099: Order founded in Jerusalem
- 1292: Island bases (Rhodes, Malta)
The Hospital of the Knights of St John
The Sacra Infermeria

• 1574 - the most revolutionary in Europe.
• Honey treatment of wounds
• Silver platters (anti-bacterial)
• 155 meter length main ward
• The hospital cared for the sick from 1574 until the First World War.
• Earning it Malta’s nickname as the ‘Nurse of the Mediterranean’.
The Difference You Make

- Hope
- Patients
- Staff
- Political stability
- Training
Pro Fide  Pro Utilitate Hominum

For the Faith and in the Service of Humanity
The Difference You Make
To the Patients of St John
Can be the Difference

Thank you

And Blindness