MARPÉ TECHNOLOGIES
TECH-AIDED DERMATOLOGY

Introduction slide deck
June 2020

The next step in skin cancer prevention

The Growth Pipeline™ Company
Powering clients to a future shaped by growth
IN DERMATOLOGY, PREVENTIVE SCREENING IS VITAL

- Skin diseases: The 4th most common cause of non-fatal disease burden worldwide
- The risk of developing skin diseases increases with age
- By 2030, 1 of 5 US residents will be over 65 (77 million in total by 2034)

- For skin cancer, early detection is vital:
  - >80% of dermatologists manually perform a full-body screening
  - >56% of melanomas detected in private clinics were found by a manual body scan
MALIGNANT MELANOMA: THE DEADLIEST FORM OF SKIN CANCER

- **North America**: 75,000 cases, 10,000 deaths, Risk: 1.4%
  - **Annual cost of care in the US**: $3.3 Billion
- **Europe**: 130,000 cases, 30,000 deaths, Risk: 2%
- **Oceania**: 16,000 cases, 2,000 deaths, Risk: 3.7%
- **Global**: 300,000 new cases / year
- **Global**: Over 60,000 deaths / year

Over 60,000 deaths globally / year
MARPÉ TECHNOLOGIES: EVOLVING DERMATOLOGY

• Marpé Technologies’ vision: Evolving dermatology with 21st Century technology

• Tech-Aided Dermatology (TAD) system: An unmatched by any current solution, that will:
  
  – Set a new Gold Standard in dermatology
  
  – Eliminate the overload on dermatologists
  
  – Bring full body Remote Diagnosis & Prevention into dermatology
THE NEW PATIENT JOURNEY IN TECH-AIDED DERMATOLOGY

1. Marpé TAD system performs a Total Body Photography (TBP)
   
   *AI-based, real-time analysis* guides the technician to suspicious nevus/moles for dermoscopy

2. Images are uploaded to the cloud; The dermatologist conducts diagnosis and classification remotely

3. Low-risk patient: Come back next year!
   
   High-risk patient: Please visit your dermatologist
REMOTE PATIENT-PHYSICIAN ENGAGEMENT VIA MOBILE

1. Marpé TAD system mapped suspicious nevus/moles on TBP image and acquire as well dermoscopy images.

2. Images classified as suspicious are flagged and monitored via patient engagement.

3. Please send image of mole 67 (it’s the one under your right armpit).
THE AI ANALYSIS FOR DERMOSCOPY IS THE CUTTING EDGE

- The new patient journey in TAD is based on the system’s ability to identify suspicious nevus / moles
- That is the competitive edge that enables remote diagnosis in dermatology
- Marpé Technologies offers the first viable solution: Early tests indicate >98% positive identification for 1,000 scanned patients!

TBP analyzed; software directs the technician to suspicious nevus/moles for dermoscopy

Dermoscopy not required

Dermoscopy required
UNDER THE HOOD: THE SYSTEM

- Marpé Technologies’ system is unmatched by any solution in the market

- Single image per body side - no stitching required

- Image size up to 600 MB

- Very high spatial and color resolution via German-made tri-linear sensors (RGB) line camera and built-in lighting

- Life-like navigation system operated by a technician

- Remote guidance via CAD software
Marpé Technologies collaborated with the Israeli Institute of Technology – the Technion

The purpose: Determining the software accuracy and precision in automatically detection nevus/moles under visible light

The goal: Beating 95% accuracy

The final accuracy of the network is 99.8% and its precision is 92.7% = overall detection rate of >95%
## MARPÉ TECHNOLOGIES OFFERS ALL THE TECH BENEFITS, AT A COMPETITIVE PRICE

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Booth sized machines</th>
<th>Wheel based</th>
<th>Wall mounted</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Marpé Technologies</td>
<td>Canfield Scientific - VECTRA WB360</td>
<td>FotoFinder- Bodystudio ATBM</td>
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<tr>
<td>Time per session</td>
<td>&lt; 10 mins</td>
<td>&lt; 10 mins</td>
<td>&gt; 10 mins</td>
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<tr>
<td>Total Body Photography</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Image stitching</td>
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<td>Image quality</td>
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<tr>
<td>Internal Illumination</td>
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<td>Yes</td>
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<td>3D size measurement</td>
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<td>Yes</td>
<td>No</td>
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<tr>
<td>Analysis</td>
<td>TAD capability (AI-based dermoscopy and CAD ability)</td>
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<td>No</td>
</tr>
<tr>
<td>Costs</td>
<td>Price per scan</td>
<td>$$</td>
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MARPÉ TECHNOLOGIES’ PARTNERSHIPS

Leading strategic partners in the Israeli R&D and clinical ecosystem

<table>
<thead>
<tr>
<th>R&amp;D partner</th>
<th>Clinical trial partners</th>
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<tbody>
<tr>
<td>The Israeli Institute of Technology (Technion)</td>
<td>Sourasky Medical Center</td>
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<td>Bnai Zion Medical Center</td>
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Signal and Image Processing Lab.
THE TEAM

Dr. Yaakov Navon
Founder & CTO

Tovi Bachar
CEO

Anat Kaphan
Board member - BD

Avichai Landau
Chief Engineer

Maya Yeheskel
Finance control

Dr. Gila Isman
Nelkenabum
CMO, Dermatologist

Sarit Gelbart Gal-Rom
H.M.D.A. Regulatory. SC
Thank you!