

PROXIMIE

The **PROXIMIE** Telemedicine Platform
And Its Potential Effectiveness In
Global Healthcare Solutions

PRÖXIMIE

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Disclosures

Nadine Hachach-Haram is a
co-founder of Proximie



PROXIMIE

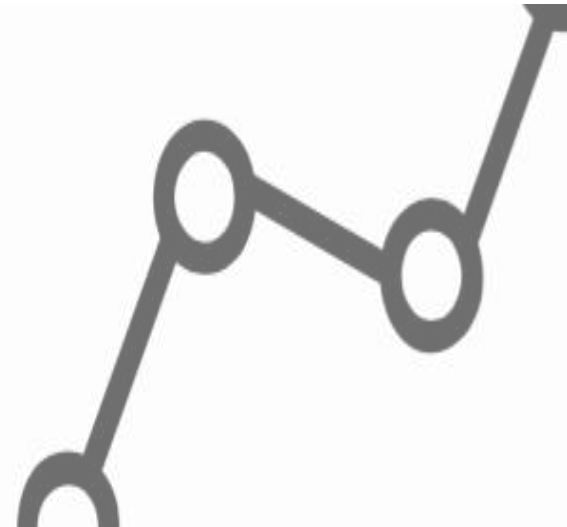
An award-winning augmented reality platform.

Surgeons can virtually transport themselves into any operating room in the world to guide, train, teach and support other surgeons and medical experts.

AUGMENTED REALITY

Real-world environment supplemented with computer-generated sensory input

Different from virtual reality



Secure,
cloud-based
telesurgery
platform
used for
international
surgeon-
surgeon
collaboration
and training.





AUGMENTED
REALITY
PROCTORING

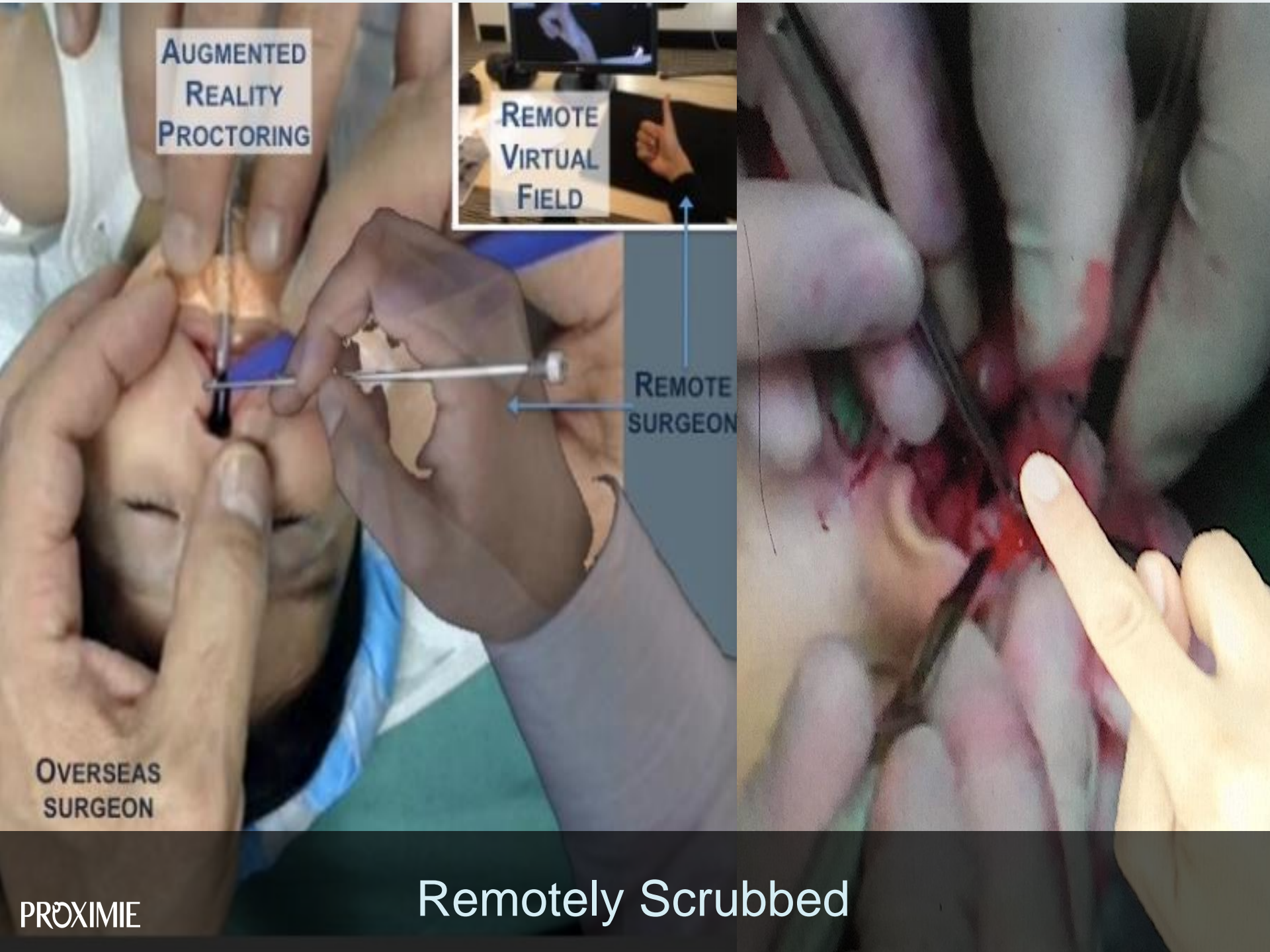
REMOTE
VIRTUAL
FIELD

REMOTE
SURGEON

OVERSEAS
SURGEON

PRŌXIMIE

Remotely Scrubbed



One platform

- Integrated patient imaging
- Integrated electronic medical records
- Snapshot library for annotation
- Learning portfolio
- HIPAA and NHS/N3-compliant

PROXIMIE

Live Operation - Cleft Palate Repair

Patient: Ronald Weasley
Sex: Male
DOB: 12/01/2015
NHS No: 123-1235-48192
Hospital No: 1235-1234-12334

PATIENT INFO

Cleft Lip Repair - Operation Guide
Consultant: Jason Field
Cleft lip and palate is usually treated with surgery. Other treatments may be needed to treat associated symptoms, such as speech therapy or dental care.

Recommended by 3 of your friends
FREE Access this Course

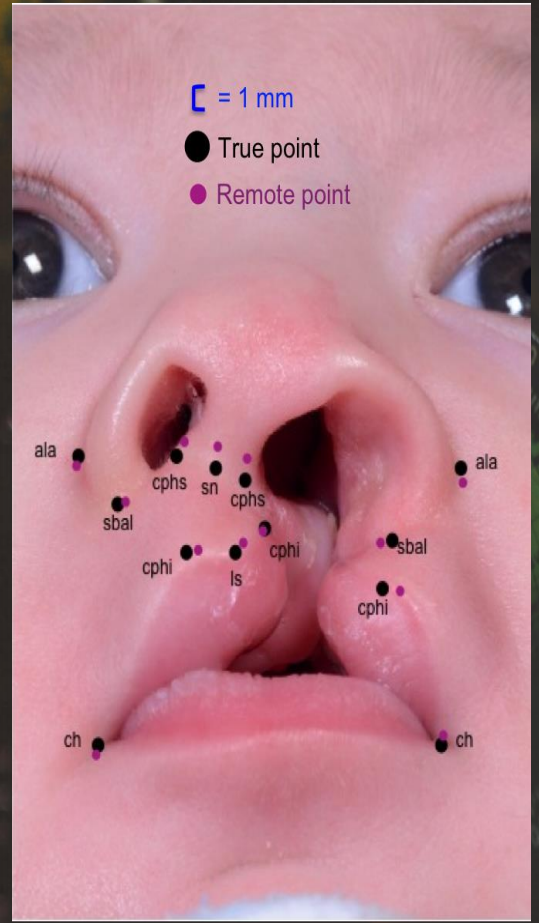
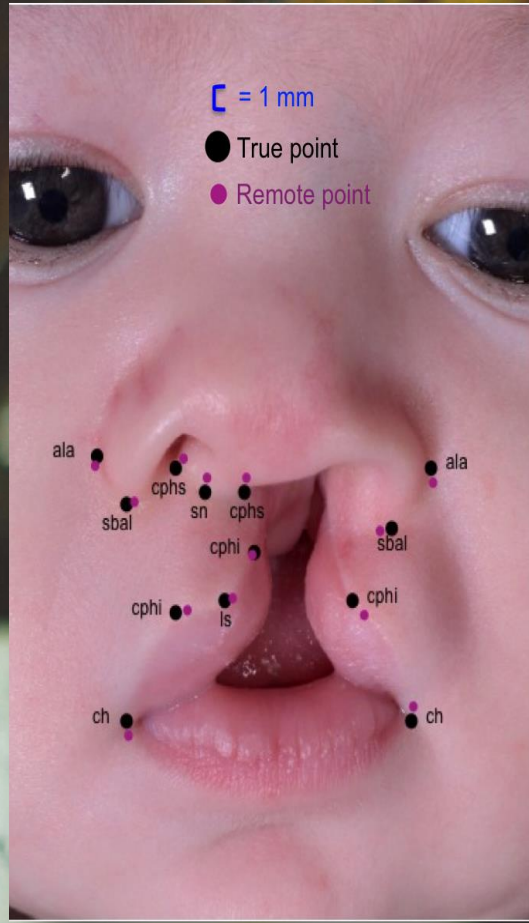
Surgeon's Notes Questions Video Transcript Downloads

Lesson Resources
LioSoftware.pdf
<http://www.adobe.com/products/photoshop-lightroom.html>
<https://stock.adobe.com/>

Need Help?
Have questions about this video? Start a discussion with the community and our staff.

Validation

Average accuracy of each anthropometric landmark within 1 mm (range: 0.5-0.9 mm).





PROXIMIE
When Surgery and AR Meet

PROXIMIE
When Surgery and AR Meet

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When Surgery and AR Meet

PROXIMIE
When Surgery and AR Meet



- HOME
- PROFILE
- MESSAGE
- CONTACTS
- SESSION HISTORY
- SETTINGS

27
NEW MESSAGES

**START
NEW SESSION**

**SEND
NEW MESSAGE**

**VIEW
YOUR PROFILE**

LAST SESSIONS

Dr. SAJIN PHLIP Patient: Johana Doe	05 Apr 2016 10:28 am
Dr. ANNE JOSEPH Patient: Johana Doe	05 Apr 2016 09:26 am
Dr. HOWARD BASHFORD Patient: Meli	05 Apr 2016 09:26 am
Dr. ANNE JOSEPH Patient: Johana Doe	05 Apr 2016 09:26 am
Dr. HOWARD BASHFORD Patient: Meli	05 Apr 2016 09:26 am
Dr. ANNE JOSEPH Patient: Johana Doe	05 Apr 2016 09:26 am
Dr. HOWARD BASHFORD Patient: Meli	05 Apr 2016 09:26 am

VIEW ALL



BILLIONS

of people lack access
to any surgical care

**BILLIONS
MORE**

lack access to safe and
well-timed surgery

ONLY 6.3%

of an estimated 312.9 million surgical
procedures performed each year go to the
poorest third of the global population

CHALLENGES FACING HEALTHCARE

Proximie is jointly designed by clinicians and engineers to solve key challenges facing the healthcare industry



Reduced access to expert care in the peripheries



Burgeoning costs and overstretched infrastructure



Reduced 'real-life' training opportunities



Costly training and support for medical suppliers



Lack of access to specialist surgeons in developing countries and conflict zones



Limited Innovation in AR in the healthcare Industry

The Lancet Commission on Global Surgery

GLOBAL
SURGERY 2030



28-32% of the global burden of disease can be attributed to surgically treatable conditions

Region	Estimated annual unmet surgical need of region (surgical cases)
<i>Caribbean</i>	131 050
<i>Central Asia</i>	910 432
<i>Central Europe</i>	678 358
<i>Central sub-Saharan Africa</i>	4 192 980
<i>East Asia</i>	27 956 507
<i>Eastern sub-Saharan Africa</i>	17 555 748
<i>North Africa and Middle East</i>	2 115 011
<i>Oceania</i>	55 196
<i>South Asia</i>	57 791 550
<i>Southeast Asia</i>	12 480 939
<i>Southern sub-Saharan Africa</i>	291 000
<i>Western sub-Saharan Africa</i>	18 909 507
Global total	143 068 278

Table 1. Regions with unmet need for surgical care as identified by the Lancet Commission on Global Surgery.

Global Telesurgery Network





Gaza



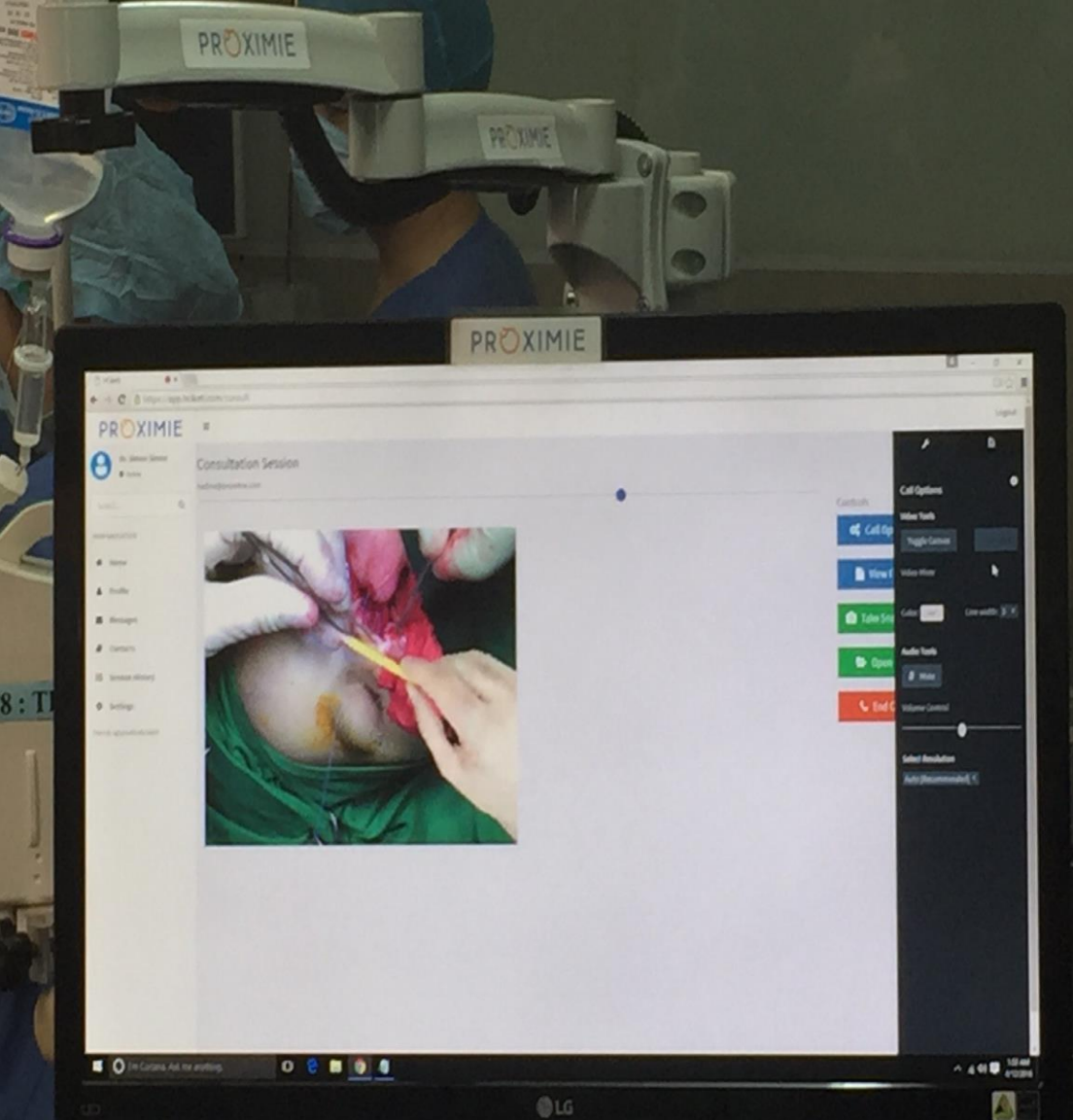
Peru



Vietnam



Peru



Vietnam



Gaza

Global Interest



“Could this technology be the future of surgery”

“Doctor uses iPad to conduct remote surgery in Gaza”



“How Augmented Reality is improving the quality of surgery and education”



“Beirut Hospital offers hope for civilians injured in Iraq, Syria”

Partners



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Thank You

Questions?