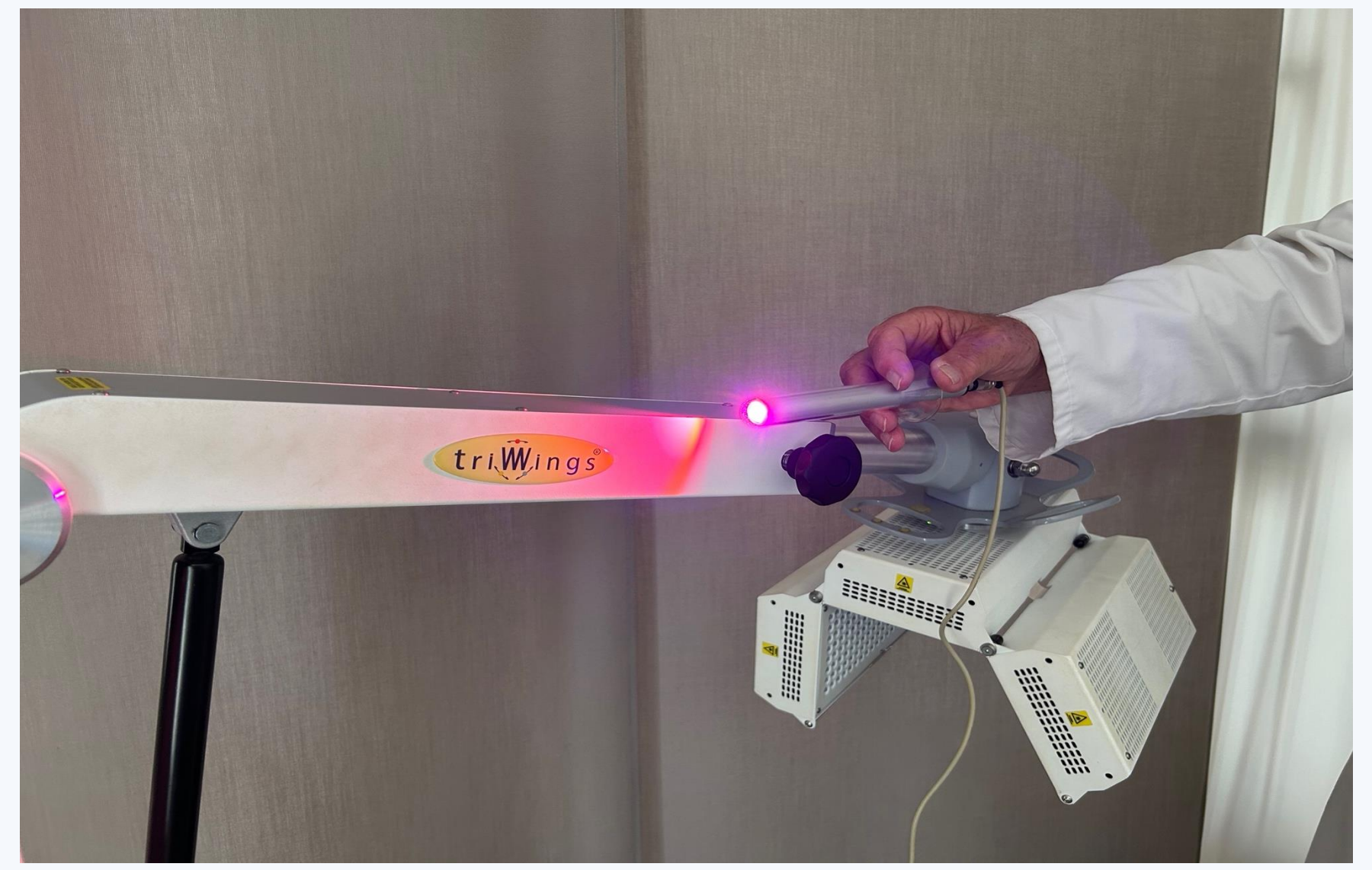
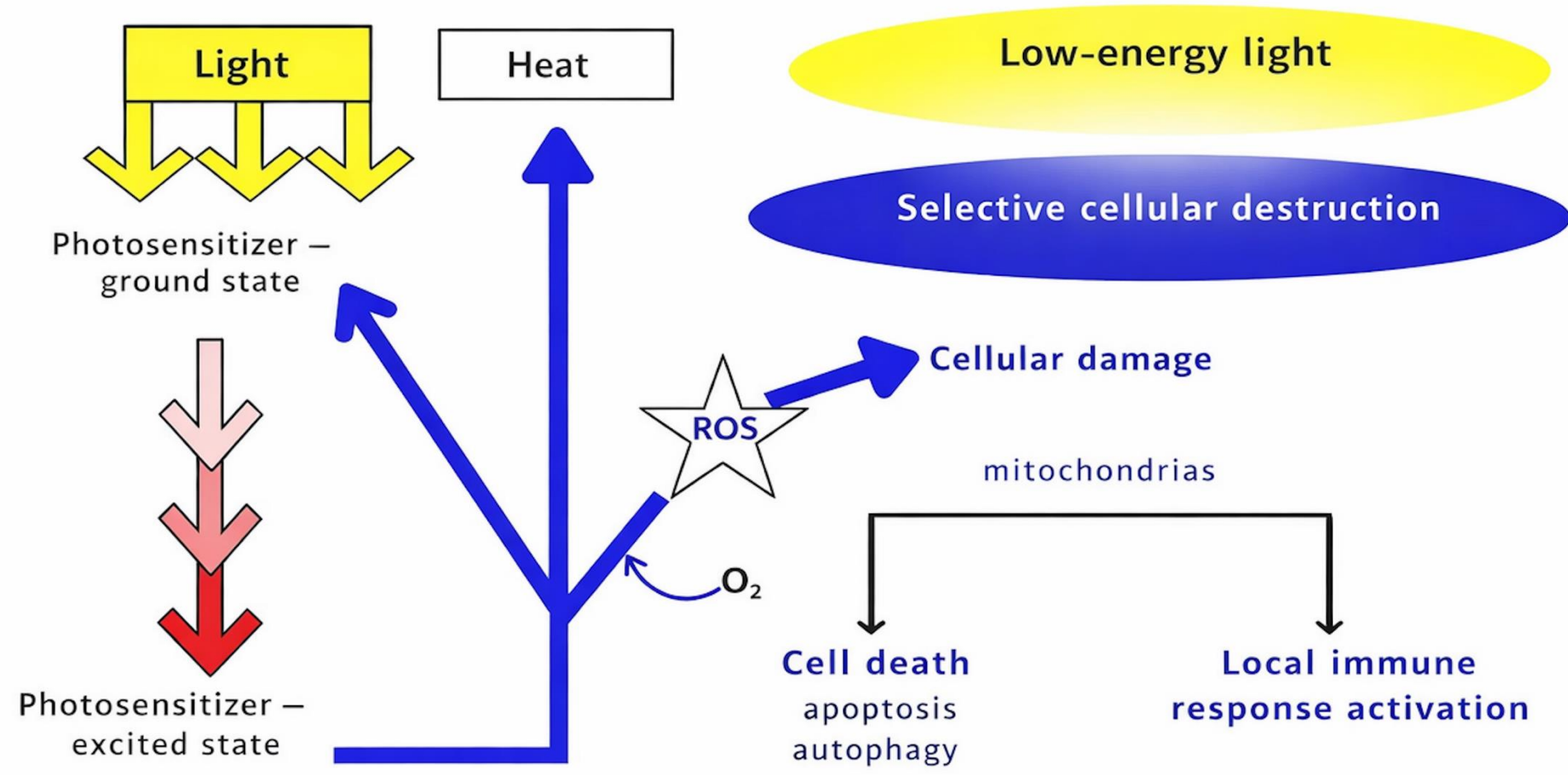


Photodynamic Therapy for Persistent HPV Infection

A Fertility-Preserving, Office-Based Therapeutic Innovation

H. Clavé, C. Schumacker, C.E. Depuydt, J.C. Hammou

PRINCIPLE OF PDT



77% HPV CLEARANCE

82.4% TYPES ERADICATED

5/7 PREGNANCIES

INTRODUCTION

HPV persistence impacts fertility.

PDT is non-invasive and immune-active.



METHODS

5-ALA | 635 nm (Biophoton)

4 sessions Outpatient |

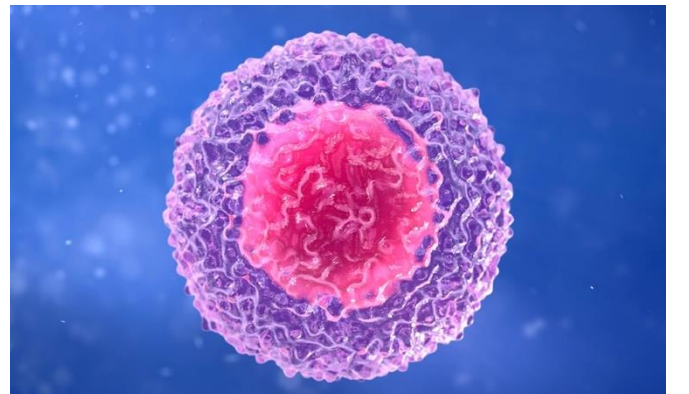
Riatol HPV qPCR monitoring

AML – Anvers (Belgique)

MECHANISM

ROS → apoptosis

Immune activation



FERTILITY

✓ 5 pregnancies

✗ 1 miscarriage

⚠ 1 IVF failure



VIRAL LOAD

Most cases reduced to 0

Strong decrease in others

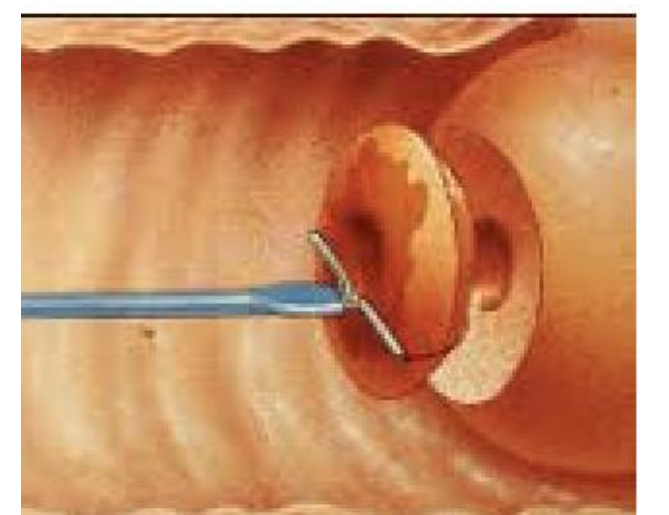


DISCUSSION

Comparable to surgery

No cervical damage

Immune effect



CONCLUSION

Effective, safe, fertility-preserving
PROMISING INNOVATION

Name	HPV	Viral Load before PDT	Viral load at 3 or 6 month after PDT	Name	HPV	Viral Load before PDT	Viral load at 3 or 6 month after PDT
MYK	56	99999	0	MAT	-	-	0
TAL	16	6235	0	BAT	39	99999	0
TAL	53	106	0	BAT	56	396	0
CHAV	58	99999	0	CAS	35	99999	0
MOU	59	147	0	CAS	39	99999	0
CHAR	-	-	0	TET	58	-	0
SAL	16	42346	238	BEN	58	37338	0
BAG	16	46886	33	MEK	51	99999	5830
GRE	31	99999	3666	POR	52	115	0
BEN	35	99999	0	COU	31	99999	0
BEN	52	20463	0	ZEN	53	1724	0
BEN	53	99999	0	REZ	16	2410	195
COL	66	1441	0	SOL	16	-	0
SHY	-	-	0	KRP	16	5571	0
BUI	68	99999	0	KRP	31	5812	0
BUI	53	367	0	SAN	16	9060	0
JOU	45	6700	429	SAN	56	4138	0

Results of viral load before and after PDT. (Mean age : 37.4 years. 28-74)

Contact: drclave.henri@gmail.com