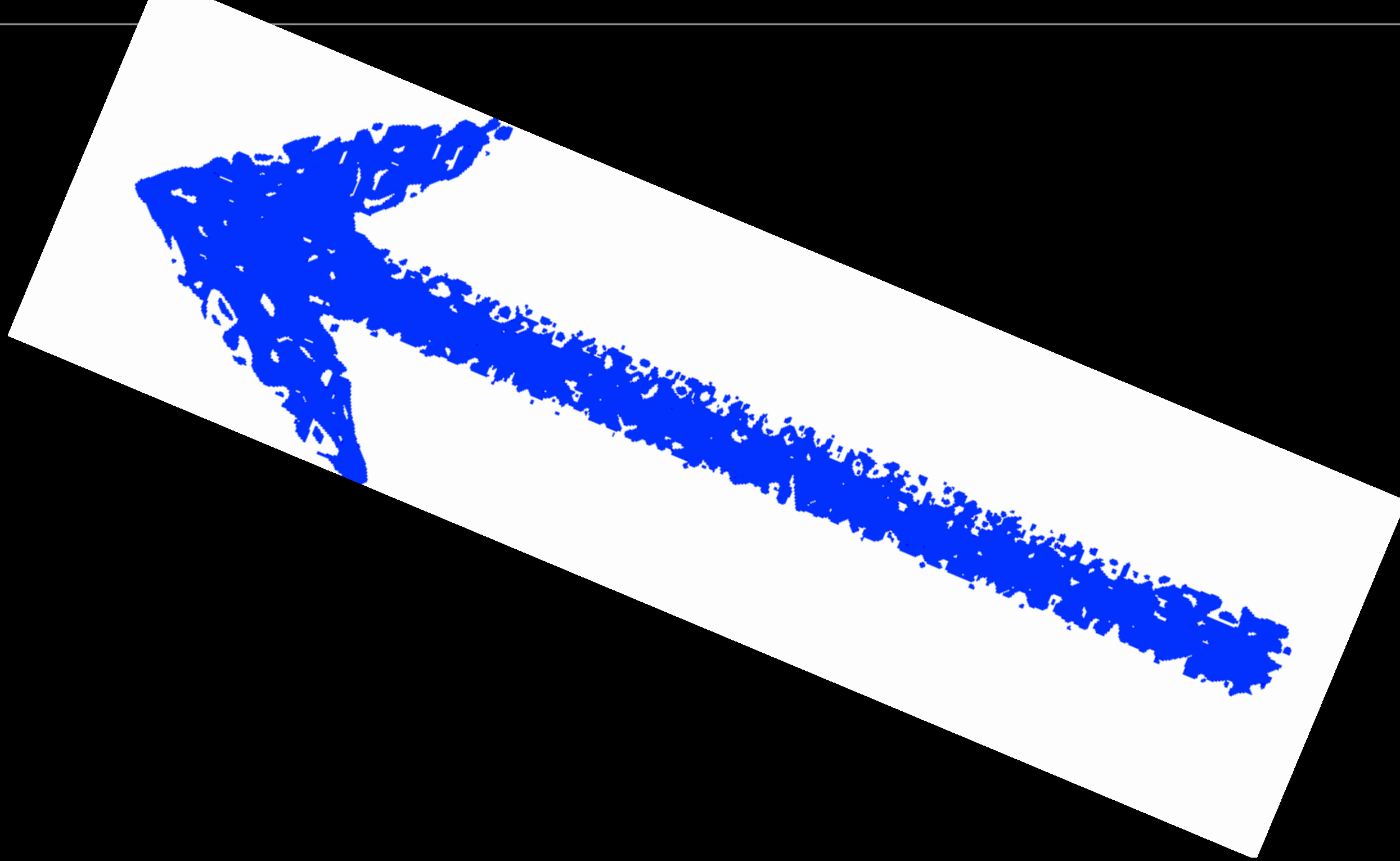

QoL after AR compared to Implant based reconstructions

Nicole Posh
Rotterdam MC

Nicole Posch
Rotterdam MC



Home of *Falco Peregrinus*

Nicole Posch

Success in immediate AR and avoiding complications

Stephen McCulley

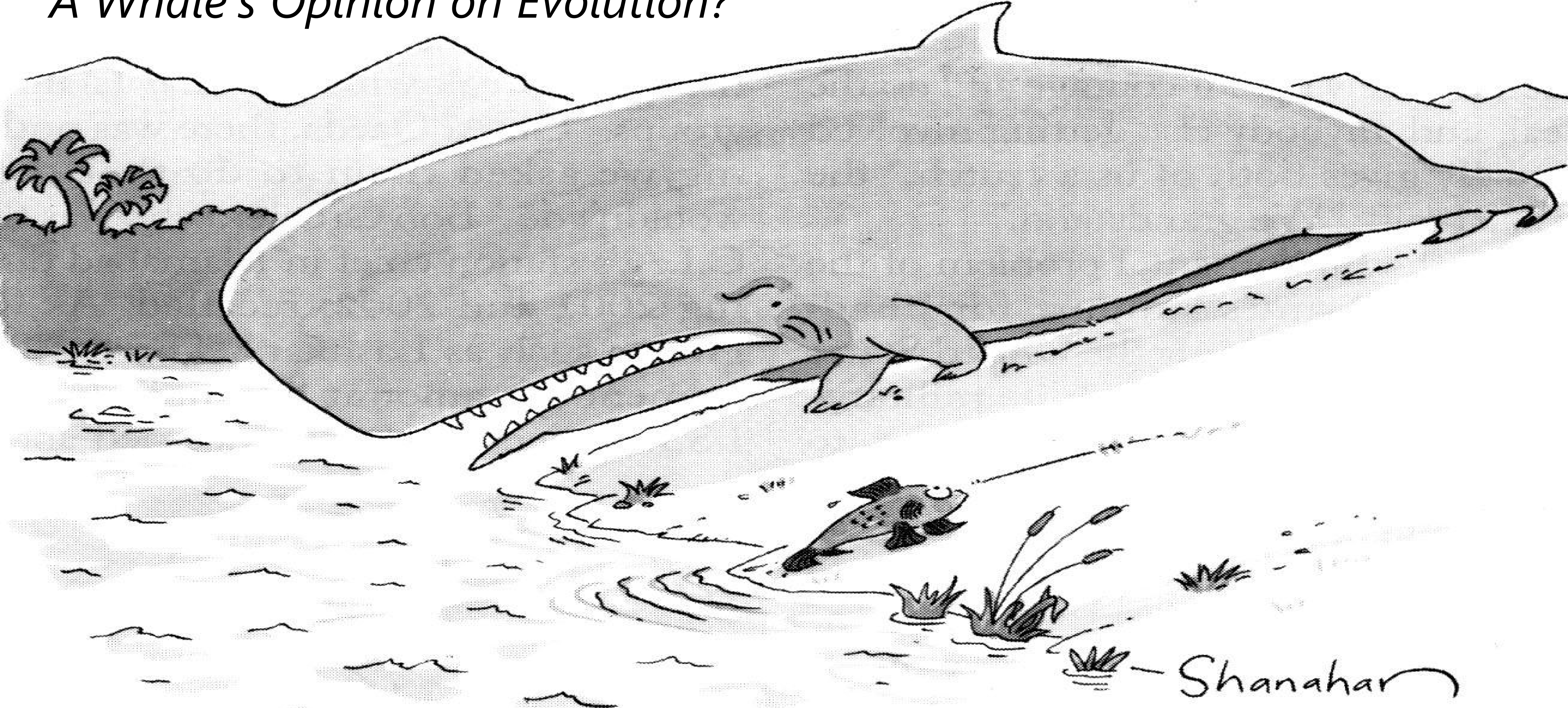
QoL after AR compared to other reconstruction types

Nicole Posh

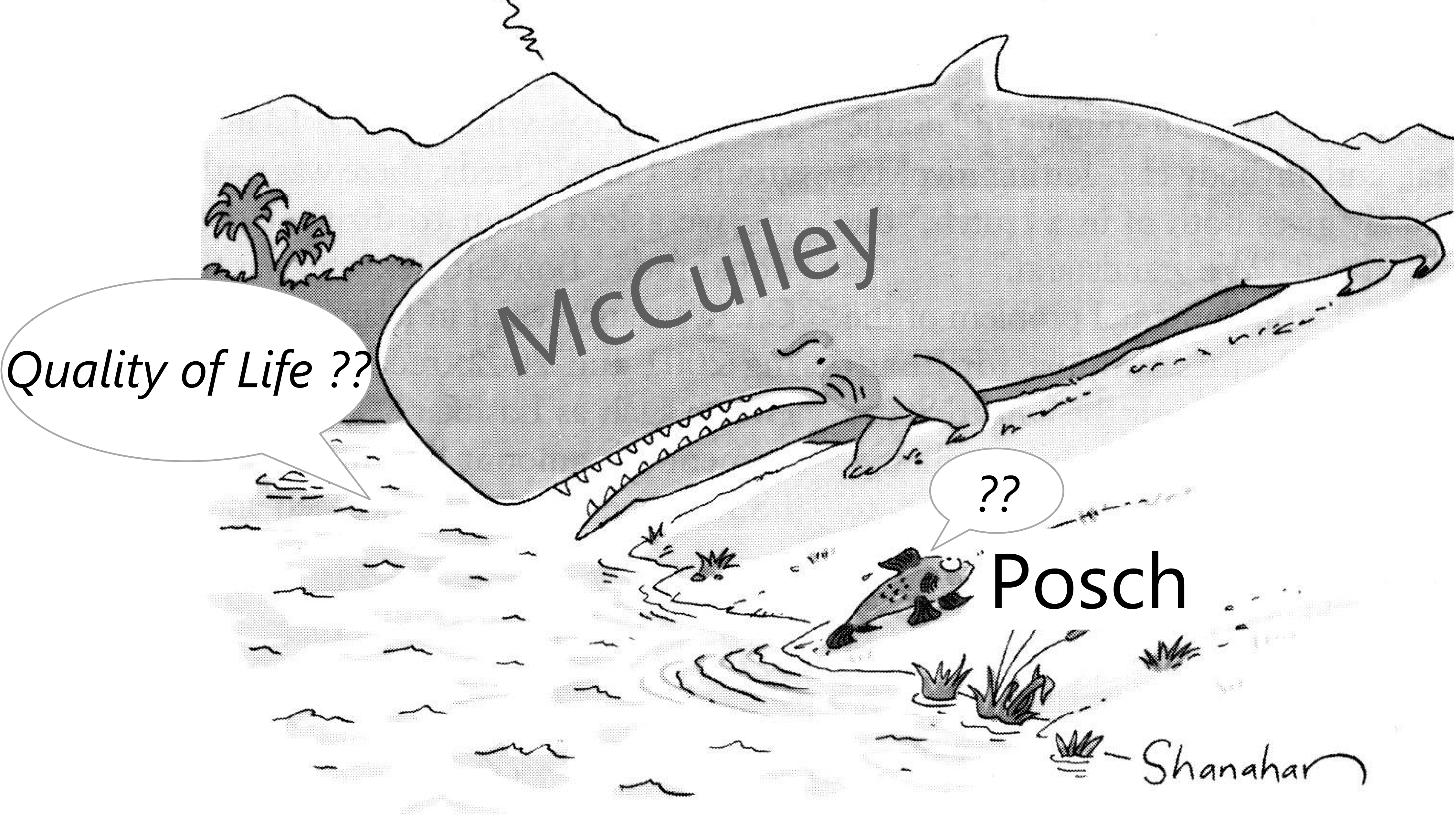
AR in setting of chemotherapy and radiotherapy

Stephen McCulley

A Whale's Opinion on Evolution?



"It's all yours."



Quality of Life ??

McCulley

??

Posch

Shanahar

the Floor is Yours ..

Boring?

**Unless
you ask
the Right Questions**

Holland Nabon/DBIR

14.000 new patients

68% BCT

5.000 amputations a year

20-50% breast reconstruction

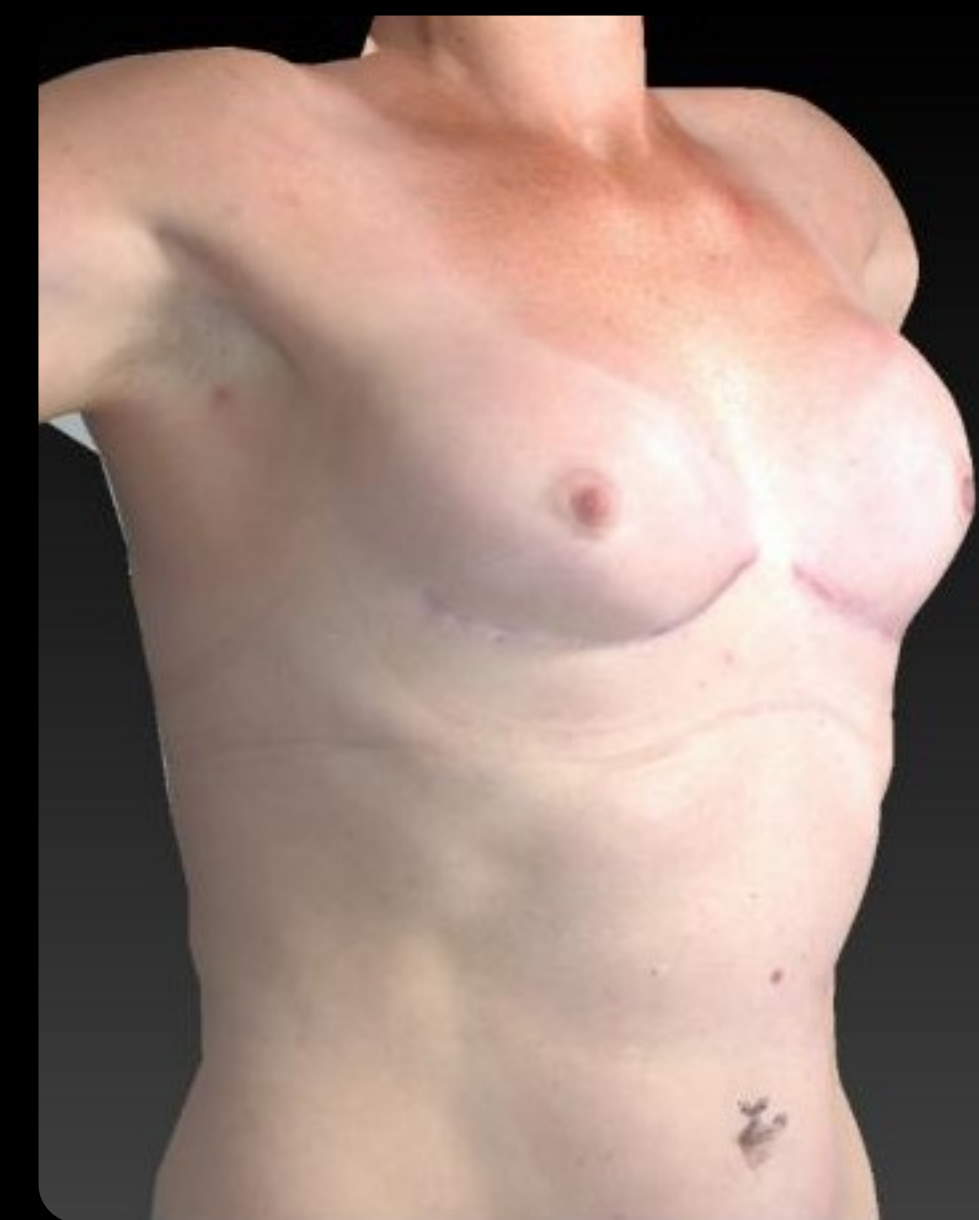
70%-90% IBR



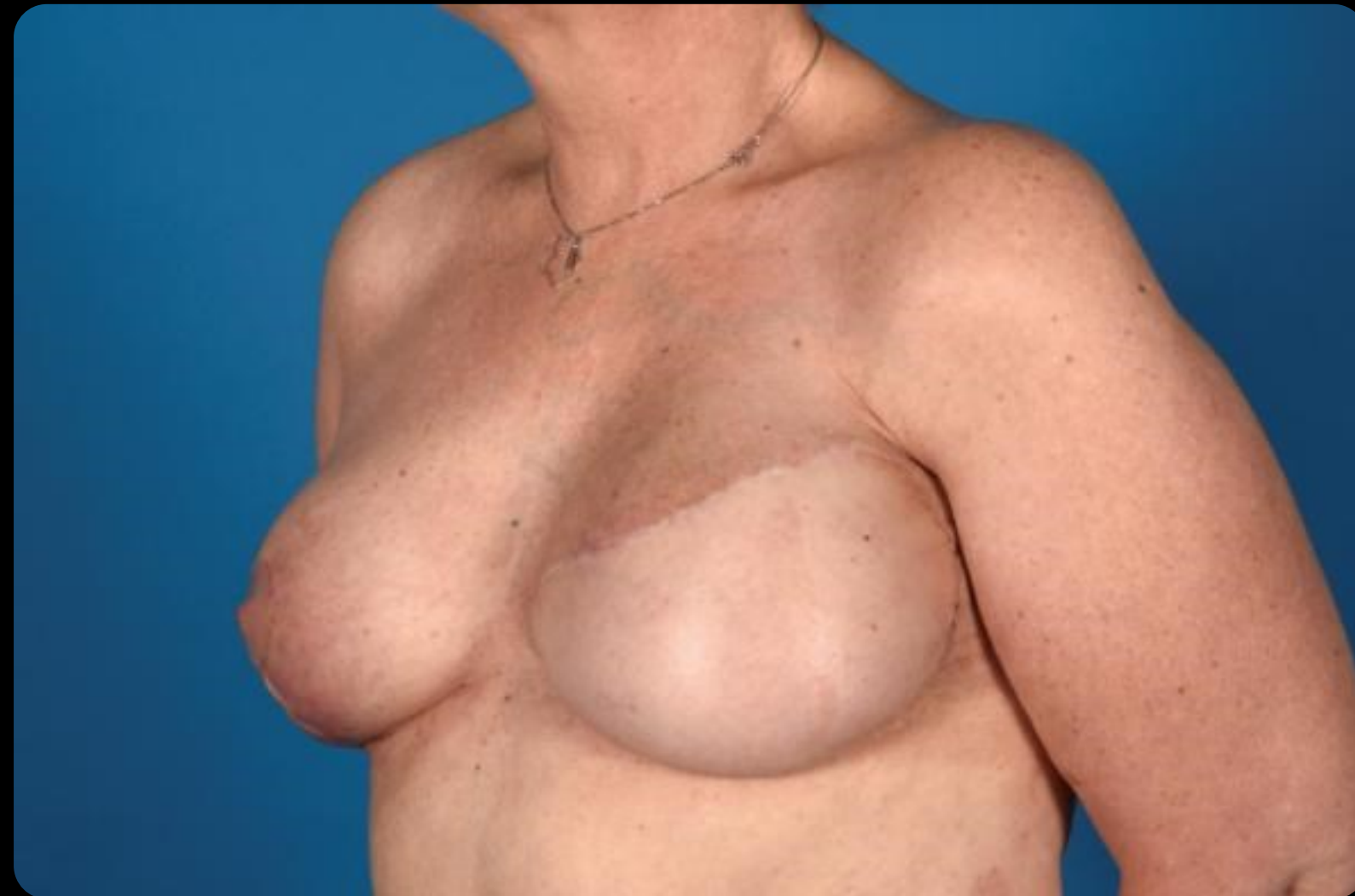
DBIR



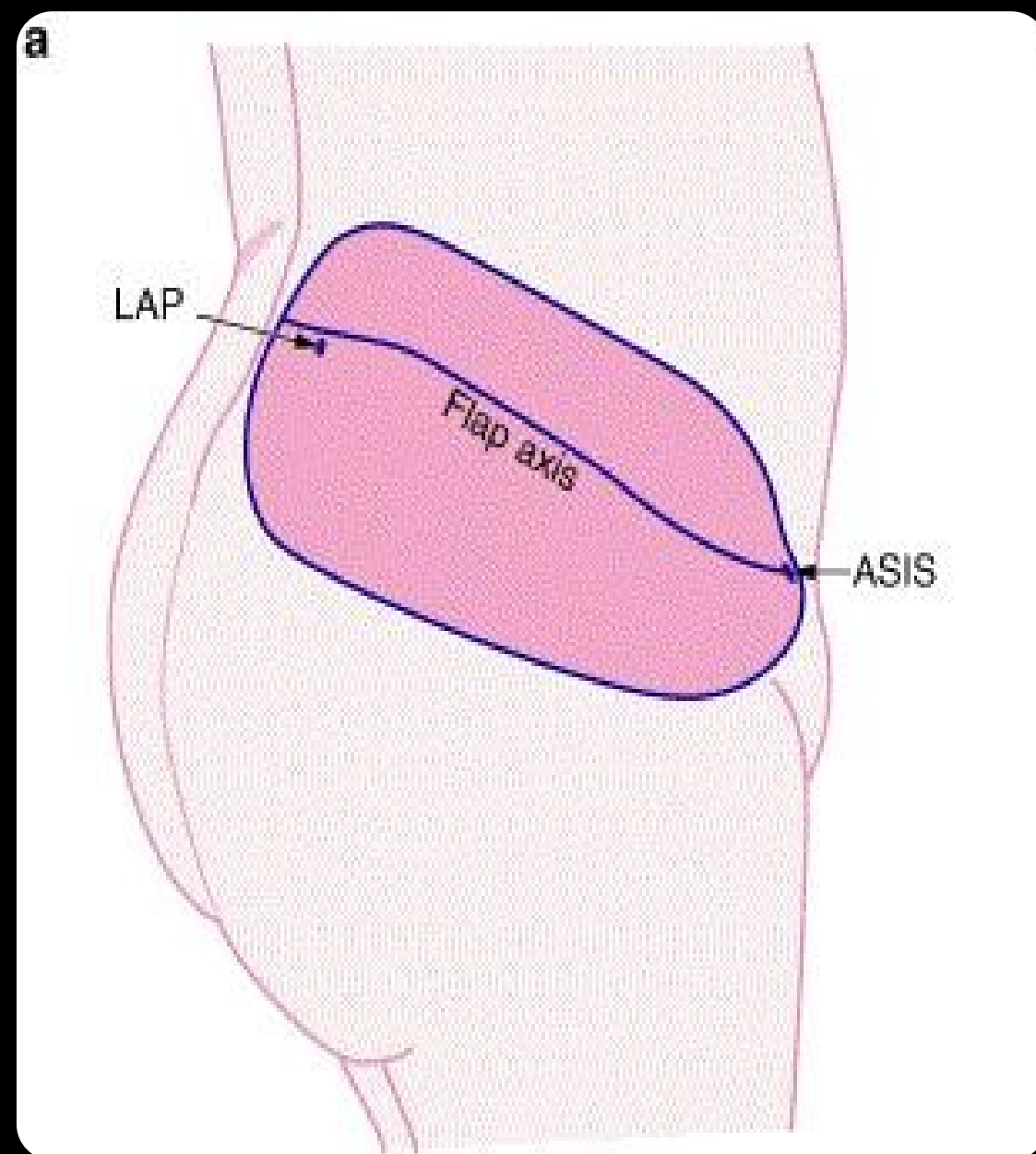
DBIR



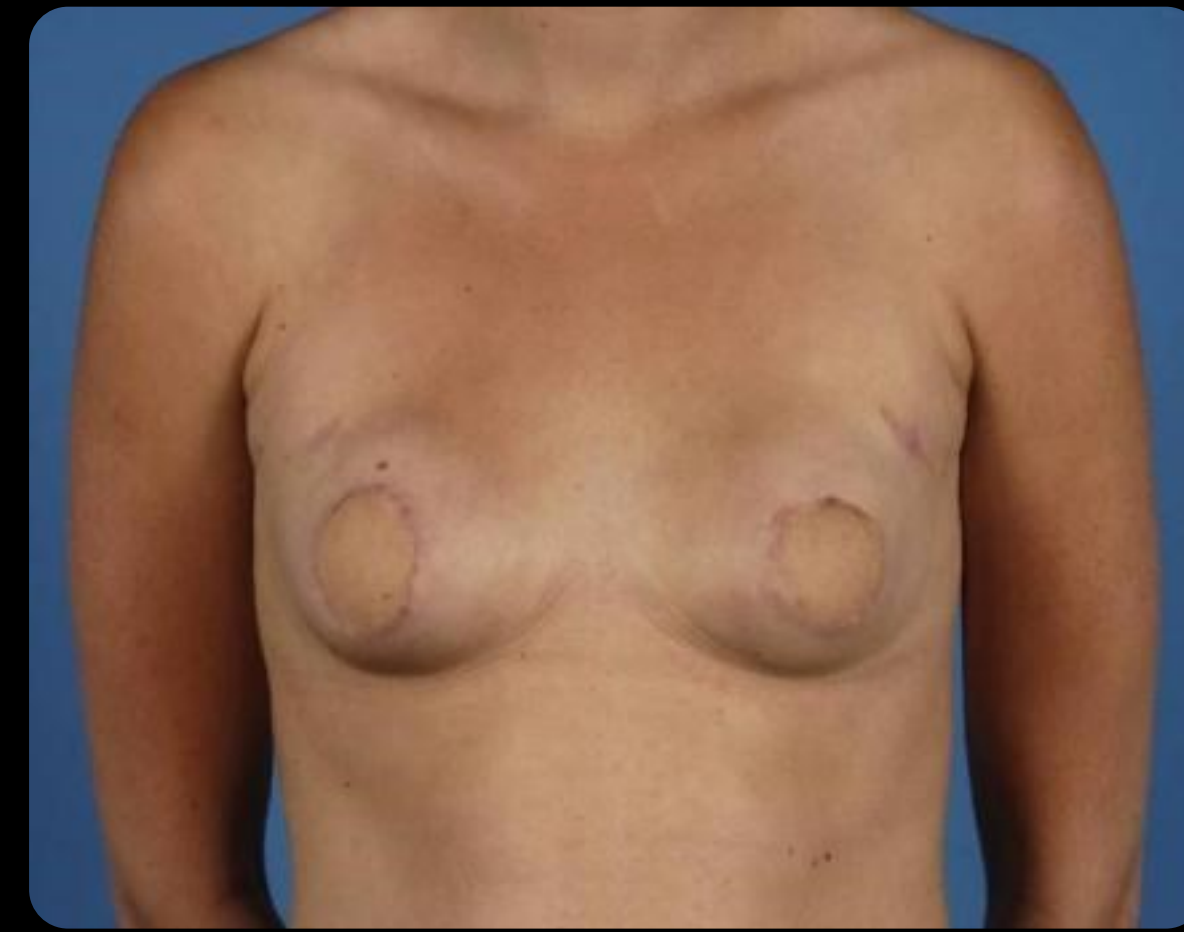
Conclusion - Studies Favor direct autologous reconstruction



Conclusion - Sexual benefits



Conclusion – Self image



QoL after AR compared to other reconstruction types

**Where
are we now?**

**Where do we
want to go?**

**How do we
get there?**

Where are we now?

Patient-Reported Outcome Measures for Post-mastectomy Breast Reconstruction: A Systematic Review of Development and Measurement Properties

C. F. Davies, BSc (Hons) PhD¹, R. Macefield, MSc¹, K. Avery, PhD¹, J. M. Blazeby, MD^{1,2}, and S. Potter, PhD^{1,3}

¹Bristol Centre for Surgical Research, Population Health Sciences, Bristol Medical School, Bristol, UK; ²University Hospitals Bristol Foundation NHS Trust, Bristol, UK; ³Bristol Breast Care Centre, North Bristol NHS Trust, Bristol, UK

Review of measurement properties of PROMS after breast recon

Davies et al | Ann Surg Oncol 2021

Where are we now?

14 papers on
6 PROMS

Only 3

BREAST-Q

BRECON-31 / EORTC QLQ-BRECON-23

**demonstrate adequate measurement
properties (content validity)**

Where are we now?

Giving meaning to patient reported outcomes in breast reconstruction after mastectomy – A systematic review of available scores and suggestions for further research

Linn Weick ^a, Fredrik Brorson ^a, Christian Jepsen ^a, Mattias Lidén ^a,
Emmelie Widmark Jensen ^a, Emma Hansson ^{a, b, *}

Interpretation of PROMS after breast reconstruction

Wieck et al the Breast 2022

Where are we now?

Results:

The minimally important difference (MID)
Breast-Q is **4 points** (on a 100 point scale)

(Methodological Issues)

Interpretation of PROMS after breast reconstruction

Wieck et al the Breast 2022

Where are we now?

Conclusions:

The overall certainty of evidence for scores giving meaning to PROMs for breast reconstruction is low

Lack of studies in healthy controls

(Methodological Issues)

Giving Meaning to Differences in BREAST-Q Scores: Minimal Important Difference for Breast Reconstruction Patients

Voineskos, Sophocles H. M.D., M.Sc.; Klassen, Anne F. D.Phil.; Cano, Stefan J. Ph.D.; Pusic, Andrea L. M.D., M.H.S.; Gibbons, Christopher J. Ph.D.

MID and Healthy Controls from the Breast-Q developers

Voineskos et al PRS 2020

Quality
of Life
Domains



Satisfaction
Domains



BREAST-Q conceptual framework.

Quality
of Life
Domains

83

Physical
Well-Being

70

Psychosocial
Well-Being

57

Sexual
Well-Being

Healthy Controls

Satisfaction
Domains

Satisfaction
with Breasts

59

Satisfaction
with
Outcome

Satisfaction
with Care

BREAST-Q conceptual framework.

Methodological Issues in Breast-Q:

MID

Nor do we know the

Patient Acceptable Symptom State (PASS)



*What is the minimum Breast-Q score
to have a satisfied patient?*

Where are we Now ?

!

!

Where are we Now ?

Autologous versus implant-based breast reconstruction: A systematic review and meta-analysis of Breast-Q patient-reported outcomes

Navid Mohamadpour Toyserkani^{a,*}, Mads Gustaf Jørgensen^b,
Siavosh Tabatabaeifar^b, Tine Damsgaard^a, Jens Ahm Sørensen^b

Breast-Q in AR versus IB breast reconstruction

Toyserkani et al JPRAS 2020

Where are we Now ?

Breast-Q in AR versus IB breast reconstruction

Toyserkani et al JPRAS 2020

Quality
of Life
Domains

83

Physical
Well-Being

70

Psychosocial
Well-Being

57

Sexual
Well-Being

Healthy Controls

Satisfaction
Domains

Satisfaction
with Breasts

59

Satisfaction
with
Outcome

Satisfaction
with Care

BREAST-Q conceptual framework.

Quality
of Life
Domains

1

Physical
Well-Being

6

Psychosocial
Well-Being

5

Sexual
Well-Being

AR higher score than IB

Satisfaction
Domains

Satisfaction
with Breasts

10

Satisfaction
with
Outcome

10

Satisfaction
with Care

BREAST-Q conceptual framework.

Quality
of Life
Domains

Physical
Well-Being

Psychosocial
Well-Being

Sexual
Well-Being

But when MID = 4 ..

Satisfaction
Domains

Satisfaction
with Breasts

Satisfaction
with
Outcome

Satisfaction
with Care

10

10

BREAST-Q conceptual framework.

Quality
of Life
Domains



And what if we don't know PASS ?

Satisfaction
Domains

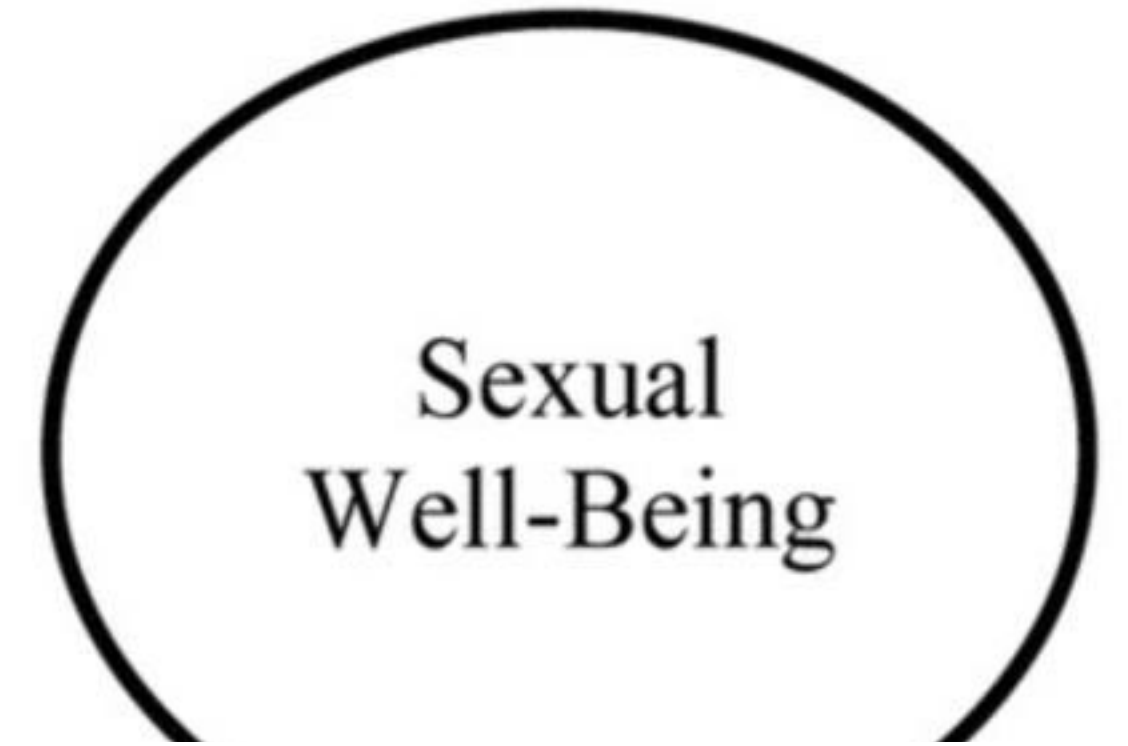


10

10

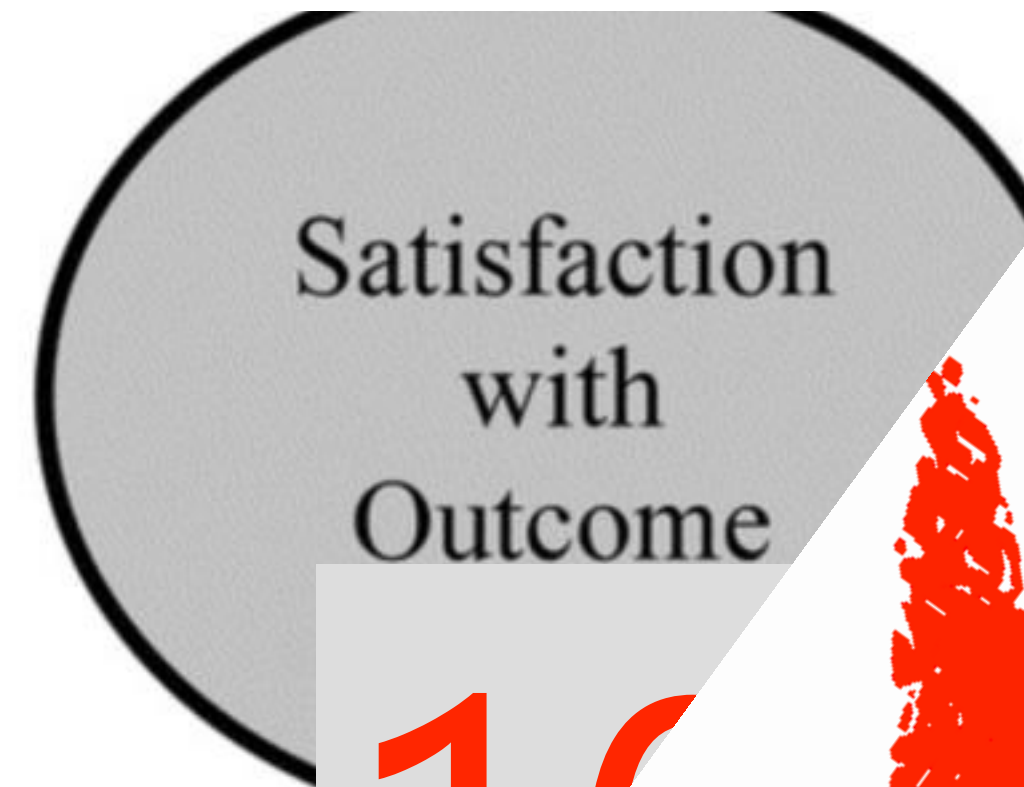
BREAST-Q conceptual framework.

Quality
of Life
Domains



These may Still be Unsatisfied Patients

Do



10

10

BREAST-Q conceptual framework.

No Information on Complications



Where do we need to Go ?

I don't care what you see, I care how I feel
(Patient Comment)

? what level of score indicates a reasonable patient satisfaction and a good result (**PASS**)?

? are there critical scores (**threshold values**) suggesting that it is appropriate to perform corrections ?

VBHC?

Where do we need to Go ?



Yes! this Should Include the Increasing Cost of Managers / Coaches / Consultants

VBHC?

How do we get There?

*We supervise PROM measures
with Smart ICT tools*



**OUTCOMES +
PATIENT
EXPERIENCE**

**DIRECT COSTS +
INDIRECT COSTS**

***Yes!** this Should be calculated by truly effective Managers*

How do we get There?

*We supervise PROM measurement
with Smart ICT tools*



*We need to Cooperate
On Both Issues*

How do we get There?

Work with other Professionals

Epidemiologist



We need to Cooperate

ICT

On Both Issues

Work with other Professionals



Who May Speak a Different Language