


Régis Paulinelli

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2018

XIX CONGRESSO SUL-BRASILEIRO
DE GINECOLOGIA E OBSTETRÍCIA
IV JORNADA SUL-BRASILEIRA
DE MASTOLOGIA

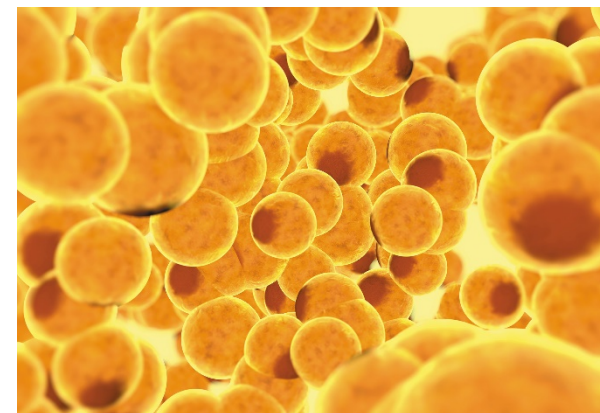


- Graduação em Medicina pela Universidade Federal de Goiás
- Especialização em Ginecologia-Obstetrícia e em Mastologia, pela Universidade Federal de Goiás
- Estágio em Mastologia no Istituto Europeo di Oncologia (Milão, Itália)
- Encarregado de reconstruções mamárias no Serviço de Ginecologia e Mama do Hospital Araújo Jorge

Lipoenxertia

Indicações e segurança oncológica

Régis Resende Paulinelli, MD, PhD





- Anos 80 – Bircoll, Asken, Johnson – lipoenxertia para correção de hipomastia.
- 01-10-87 – ASPRS – poderia dificultar a detecção do câncer ou gerar falso positivo, cirurgias, mastectomia.
- 1997 – Coleman
- Anos 2000 – Delay, Rigotti, Petit, Rietjens: Lipoenxertia em câncer de mama





Table 4 Clinical studies comparing different fat graft processing techniques in lipofilling.

Author	N	Setting	Processing methods	Outcome measure	Results
Butterwick 2002 ¹⁸	14	Autograft (hand)	Decantation, centrifugation	Fullness and smoothness	Centrifugation
Khater 2009 ³³					superior to gation
<div><div> ELSEVIER</div><div></div></div>					
Botti 2011 ³²					aration
Ferraro 2011 ¹⁹					centrifugal (200 rpm) compared to fugal (rpm) or
Gerth 2014 ³⁴					superior to n on
Current study 2016	40	Autograft (breast/ chest wall)	vs. centrifugation Centrifugation, sedimentation	retention Gain in chest wa tissue thickness point rib cage measurements	

Journal of Plastic, Reconstructive & Aesthetic Surgery (2017) 70, 1218–1228



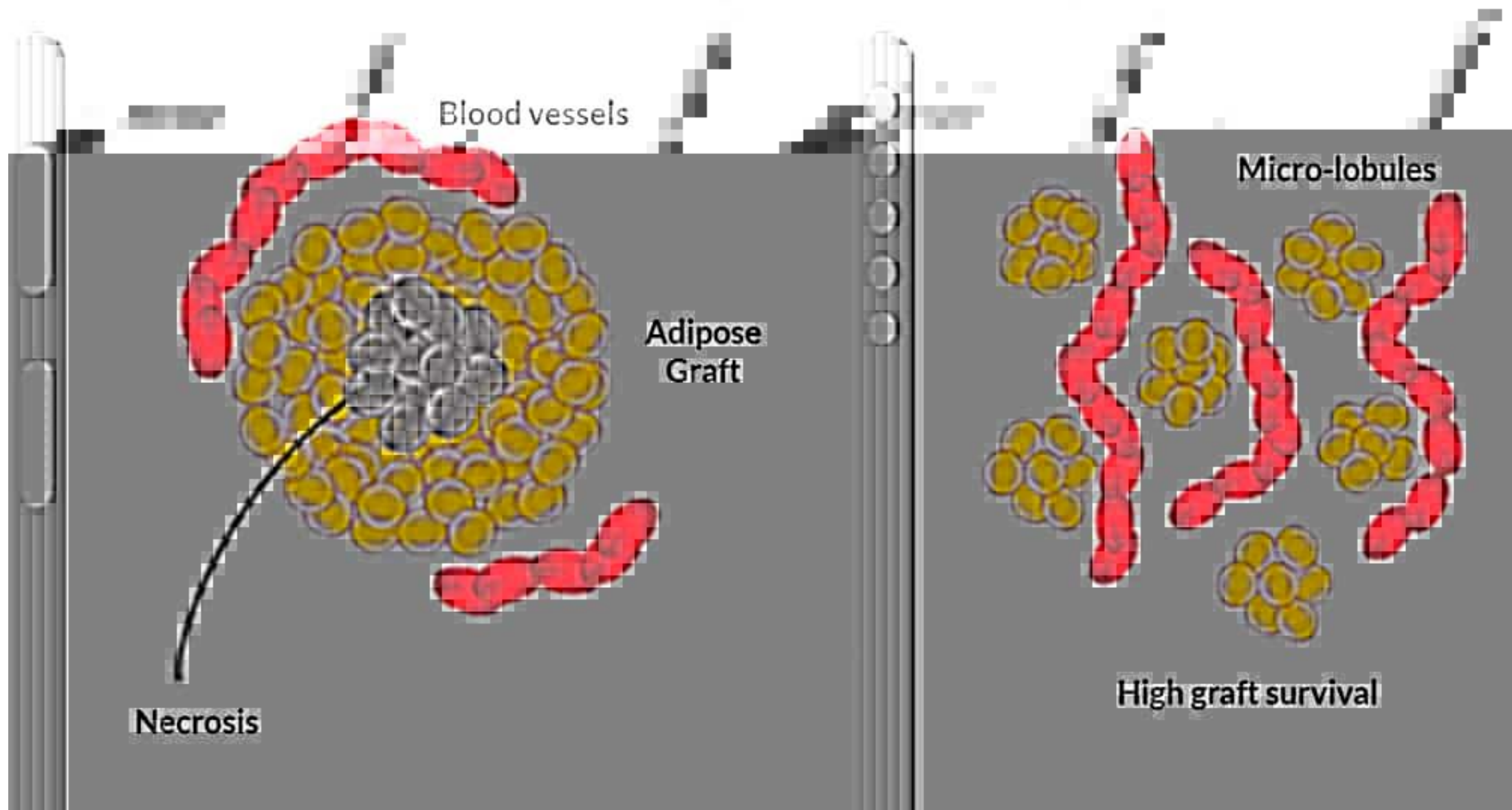
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A prospective randomized study comparing centrifugation and sedimentation for fat grafting in breast reconstruction

I. Sarfati^{a,*}, R.F.D. van la Parra^a, C.A. Terem-Rapoport^b,
D. Benyahi^c, C. Nos^a, K.B. Clough^a

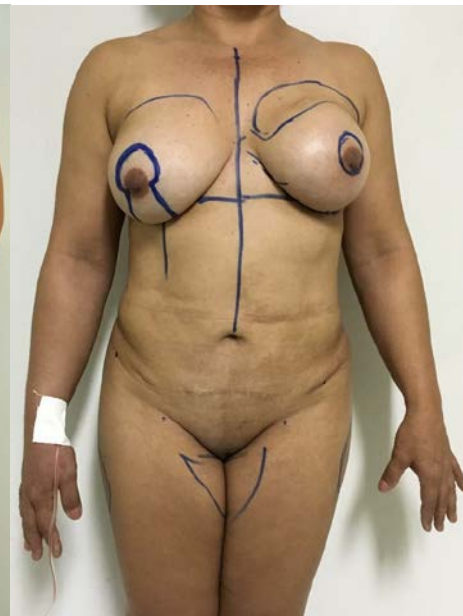
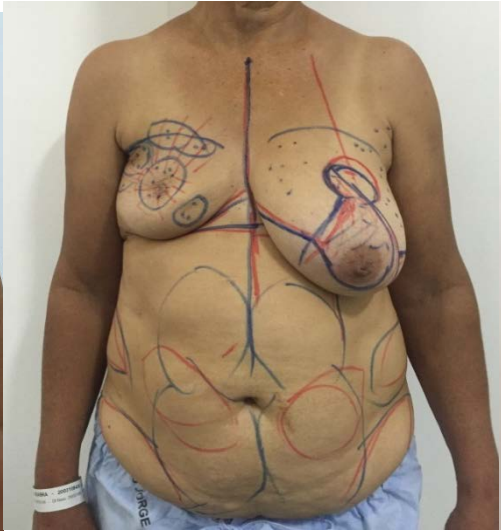
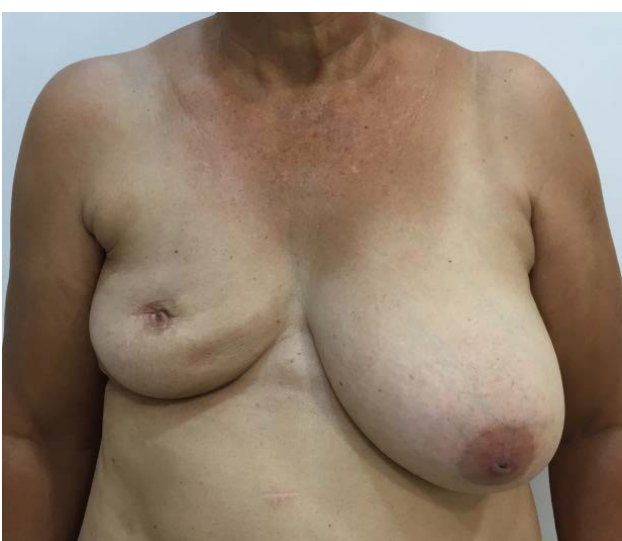




30% de reabsorção

Indicações

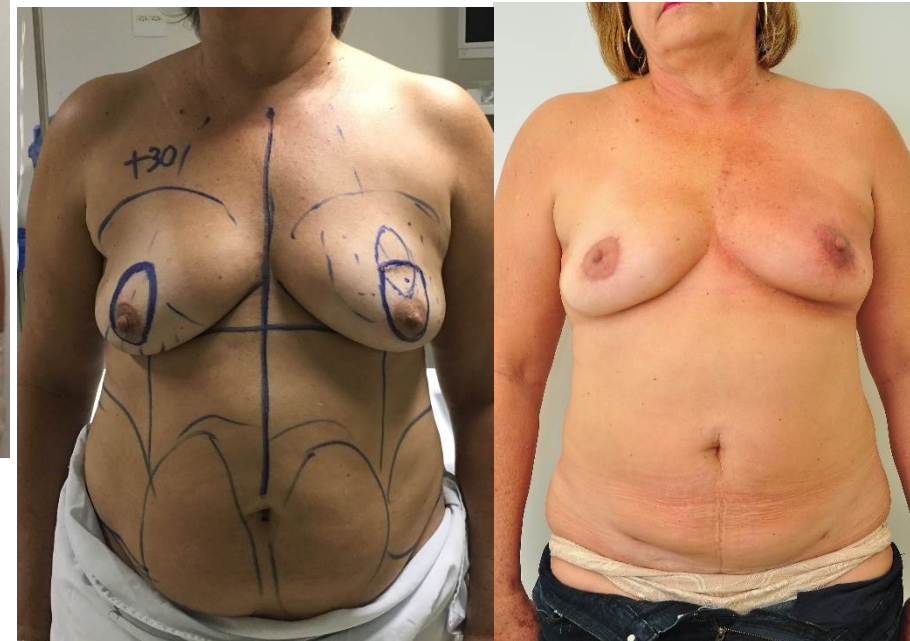
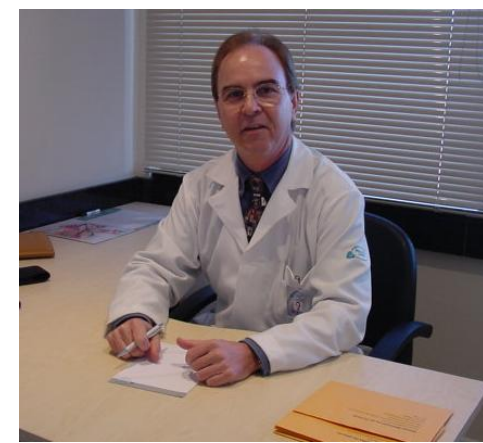
Sequelas do tratamento conservador

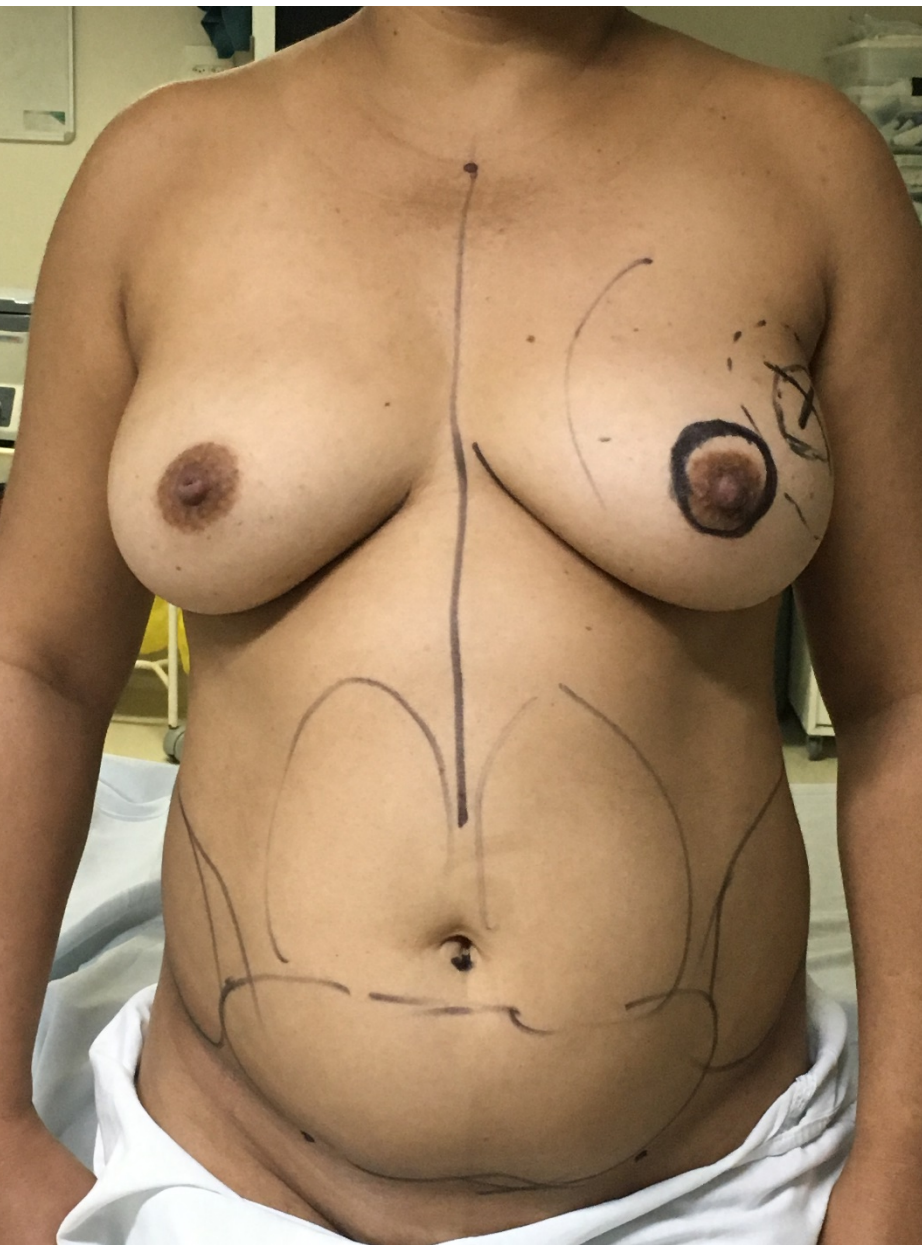


Immediate Reconstruction with Autologous fat Transfer Following Breast-Conserving Surgery

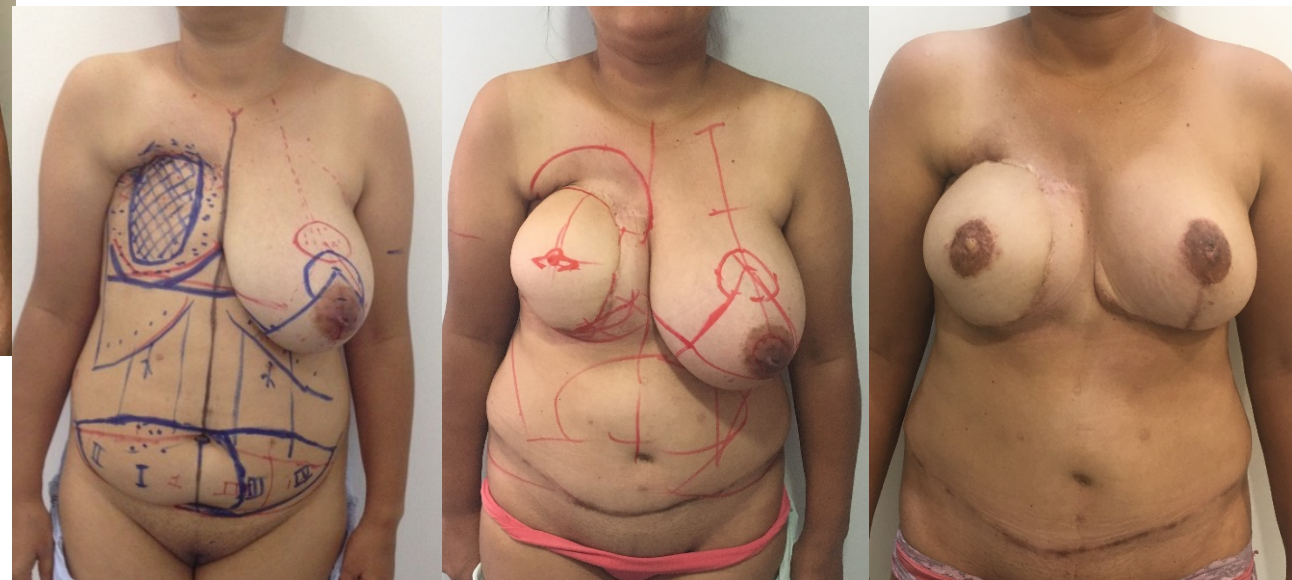
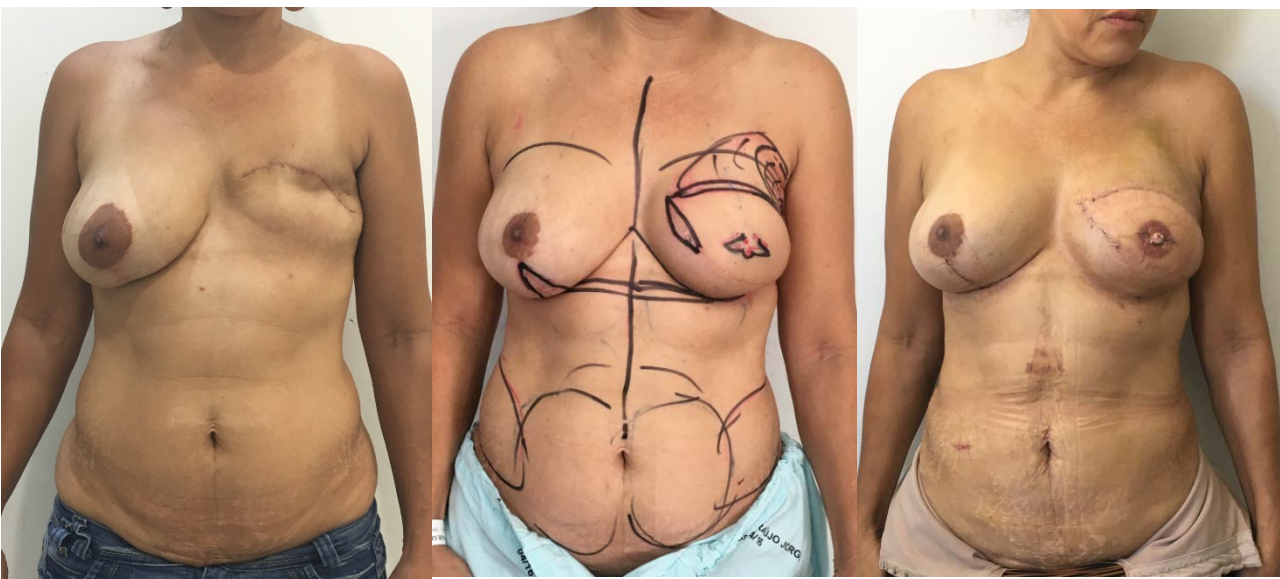
Jorge Villanova Biazus, PhD Christiane Cardoso Falcão, MD Angela Ceconello Parizotto, MD Camile Cesa Stumpf, MD José Antônio Crespo Cavalheiro, PhD Fernando Schuh, PhD Rodrigo Cericatto, MD Angela Erguy Zucatto, MD and Márcia Portela Melo, MD

Breast Unit of Hospital de Clínicas de Porto Alegre, Federal University of Rio Grande do Sul, Medical School, Porto Alegre, Brazil





Refinamentos





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ARTICLE ORIGINAL

Transfert de tissu adipeux autologue préalable à la reconstruction mammaire par implant après mastectomie et irradiation : à propos d'une série de 68 cas

Autologous fat grafting to the postmastectomy irradiated chest wall prior to breast implant reconstruction: A series of 68 patients

I. Sarfati ^a, T. Ihrai ^{a,b,*}, A. Duvernay ^a, C. Nos ^a, K. Clough ^a

^a L'Institut du sein, 7, avenue Bugeaud, 75016 Paris, France

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Reçu le 7 juin 2012 ; accepté le 8 octobre 2012

ORIGINAL ARTICLE



BREAST

Treatment of Irradiated Expanders: Protective Lipofilling Allows Immediate Prosthetic Breast Reconstruction in the Setting of Postoperative Radiotherapy

Diego Ribuffo · Matteo Atzeni · Maristella Guerra · Stefania Bucher · Carola Politi · Maura Deidda · Francesco Atzori · Mariele Dessì · Clelia Madeddu · Giancarlo Lay



ADM

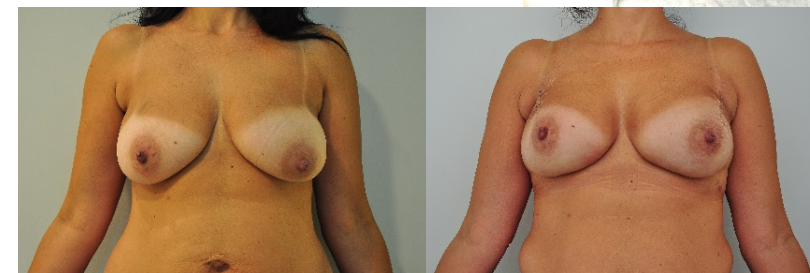


Table 2 Complication rates for patients undergoing IIBR+PMRT with or without lipofilling

	IIBR+PMRT without lipofilling	IIBR+PMRT with lipofilling
No. of patients	16	16
Infection	1 (6.25 %)	0
Ulceration	4 (25 %)	0
Contracture (Baker 4)	2 (12.5 %)	0
Total	7 (43.75 %)	0

PMRT postmastectomy radiotherapy, IIBR immediate implant-based reconstruction

Table 3 Baker capsular contracture rates

Baker scale	IIBR+PMRT with lipofilling	IIBR+PMRT without lipofilling
1	14 (87.5 %)	2 (12.5 %)
2	2 (12.5 %)	5 (31.25 %)
3	0	7 (43.75 %)
4	0	2 (12.5 %)

IIBR immediate implant-based reconstruction, PMRT postmastectomy radiotherapy

Sem ADM



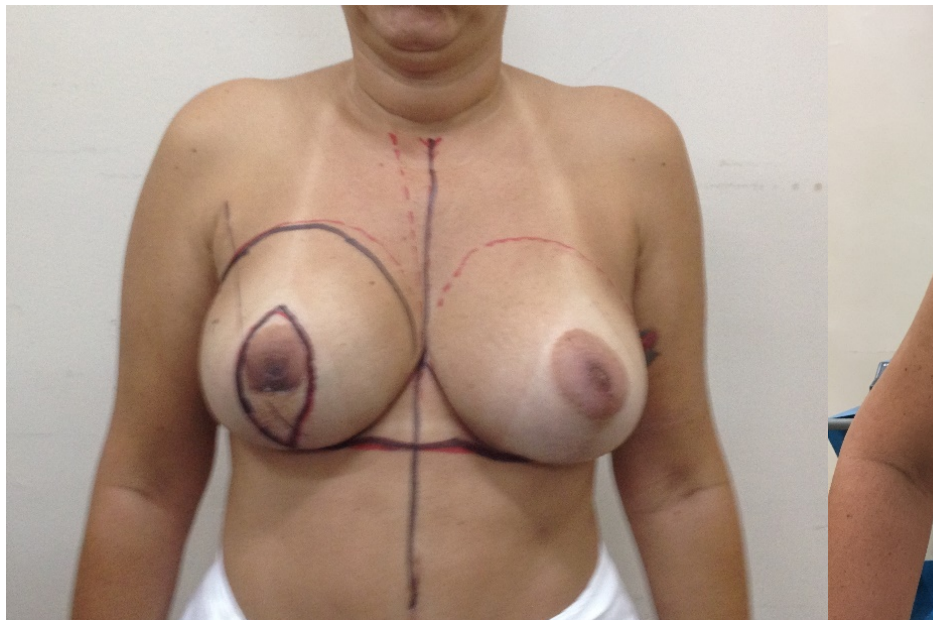
- Custo!
- Não facilita a expansão após RXT.
- Mais seroma, mais infecção, mais perda?



Perda da prótese: 1 (1,47%)

Resultado estético: 4,5/5

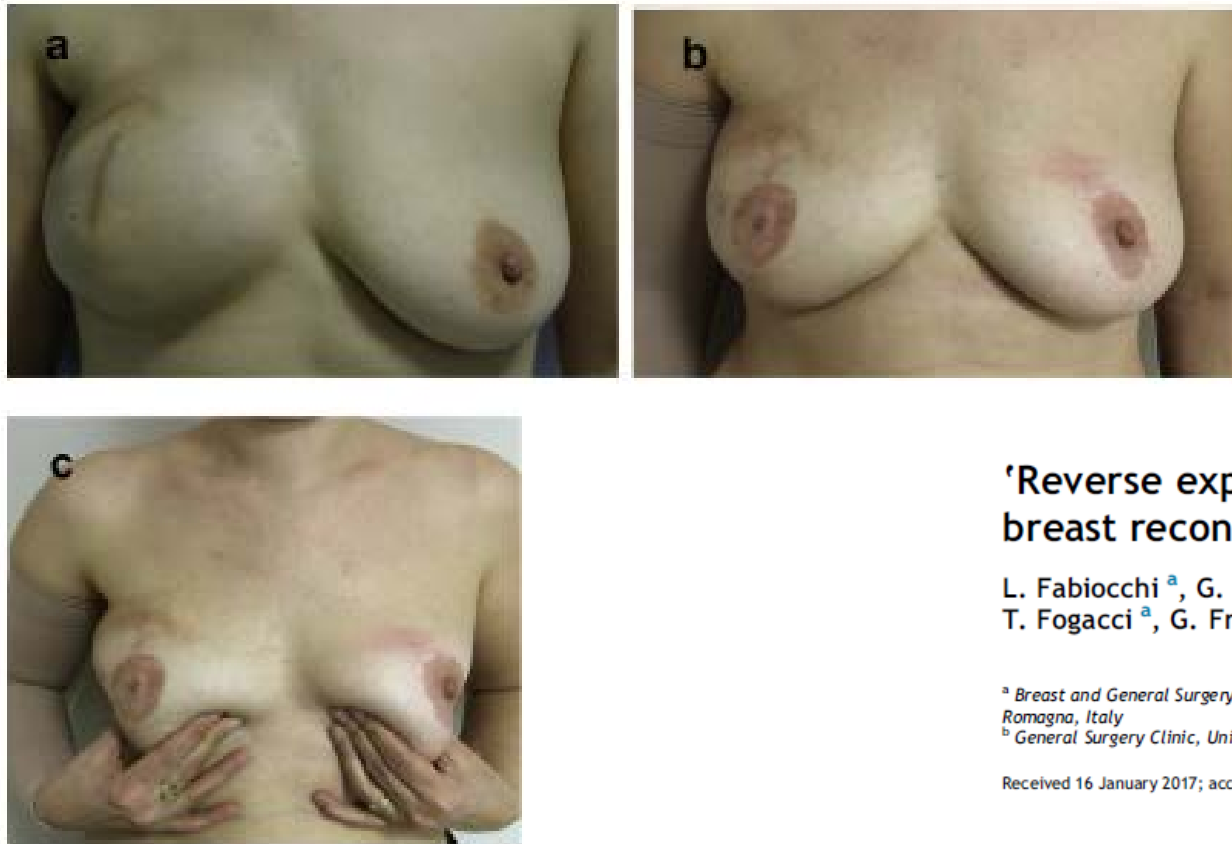
Prevenção de contratura capsular



Grande dorsal lipoenxertado



Reconstrução total com lipoenxertia



'Reverse expansion': A new technique of breast reconstruction with autologous tissue

L. Fabiocchi^a, G. Semprini^{a,*}, F. Cattin^a, L. Dellachiesa^b,
T. Fogacci^a, G. Frisoni^a, D. Samorani^a

^a Breast and General Surgery Unit, "A. Franchini" Hospital, Via Pedrignone 3, Santarcangelo di Romagna, Italy

^b General Surgery Clinic, University of Ferrara School of Medicine, Via Aldo Moro 8, Ferrara, Italy

Received 16 January 2017; accepted 10 July 2017

Figure 1 a–c: Number of sessions: 6. Total injected volume: 1092 cc. Maximum injected volume per session: 390 cc. Mean injected volume per session: 182 cc. Clinical check after 3 years.

Segurança oncológica (sequelas radiológicas)

- Microcalcificações / necrose gordurosa
 - 5 - 20%, geralmente categoria 2.
 - Obs.: Após mamoplastia redutora = 50%.
 - Métodos diagnósticos de imagem e de biópsia melhoraram

Journal of Plastic, Reconstructive & Aesthetic Surgery (2011) 64, 477–484



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Safety of fat grafting in secondary breast reconstruction after cancer

M. Rietjens^{a,*}, F. De Lorenzi^a, F. Rossetto^a, F. Brenelli^a,
A. Manconi^a, S. Martella^a, M. Intra^b, M. Venturino^c, V. Lohsiriwat^{a,d},
Y. Ahmed^a, J.Y. Petit^a

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^d Department of Surgery, Siriraj hospital, Mahidol University, Bangkok, Thailand

Received 3 March 2010; accepted 28 June 2010

Indications and Controversies in Lipofilling for Partial Breast Reconstruction

Emmanuel Delay, MD, PhD^{a,b,*}, Samia Guerid, MD^{a,c},
Andreea Carmen Meruta, MD^a

Clin Plastic Surg 45 (2018) 101–110
<http://dx.doi.org/10.1016/j.cps.2017.08.008>

Segurança oncológica (recidiva tumoral)

- Estudos experimentais
- Crescimento de tumores em meios de cultura e em ratos

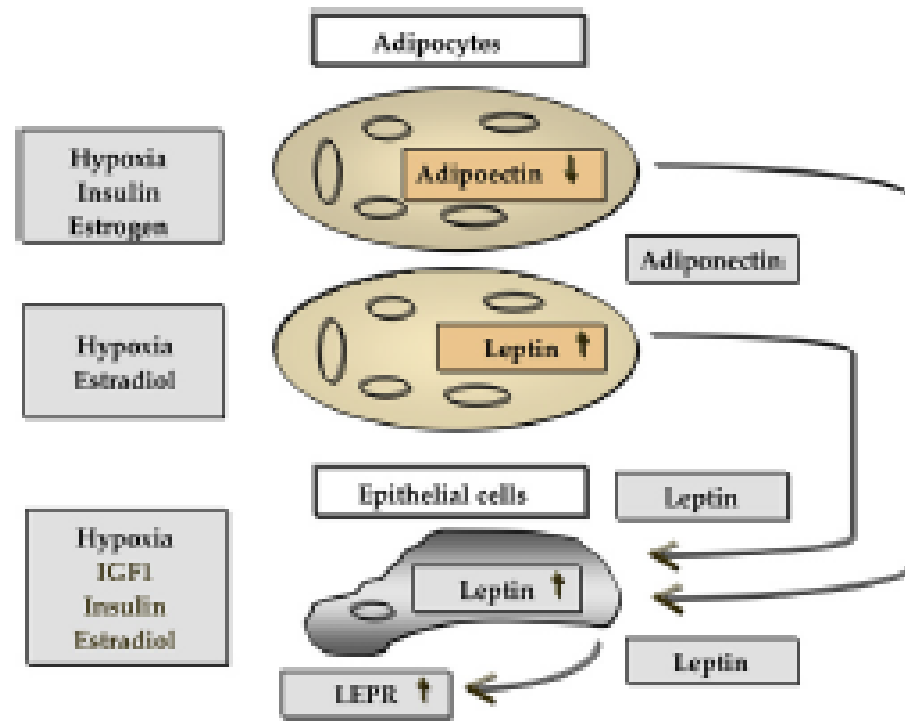


Diagram 1. Cross-talk of the adipokines leptin and adiponectin in breast cancer tumorigenesis (Adapted from Schaffler A et al.)

Locoregional recurrence risk after lipofilling in breast cancer patients

J. Y. Petit^{1*}, E. Botteri², V. Lohsiriwat^{1,3}, M. Rietjens¹, F. De Lorenzi¹, C. Garusi¹, F. Rossetto¹, S. Martella¹, A. Manconi¹, F. Bertolini⁴, G. Curigliano⁵, P. Veronesi^{6,7}, B. Santillo² & N. Rotmensz²

¹Division of Plastic Surgery; ²Division of Epidemiology and Biostatistics, European Institute of Oncology, Milan, Italy; ³Department of Surgery, Mahidol University, Siriraj Hospital, Bangkok, Thailand; ⁴Laboratory of Hematology-Oncology; ⁵Division of Medical Oncology, Department of Medicine; ⁶Division of Breast Surgery, European Institute of Oncology, Milan; ⁷University of Milan, Milan, Italy

Received 17 January 2011; revised 22 March 2011; accepted 24 March 2011

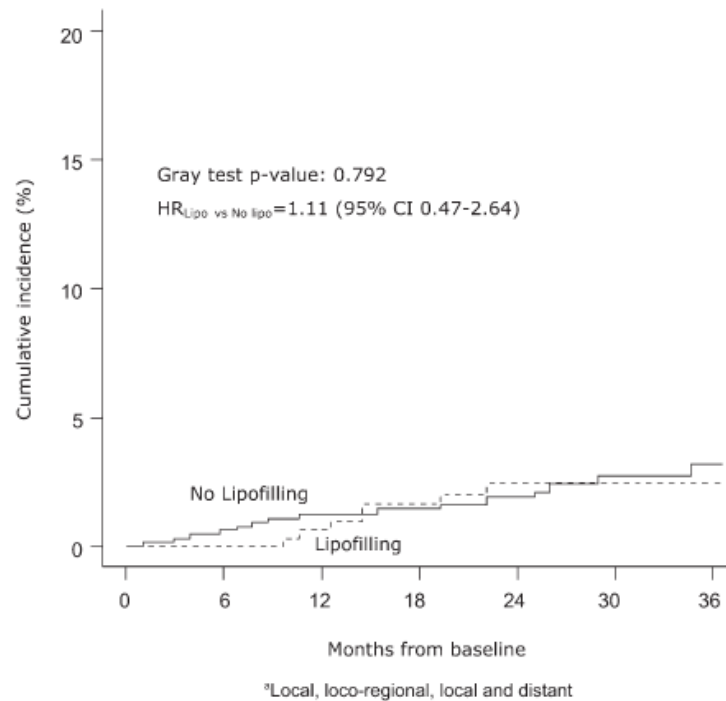
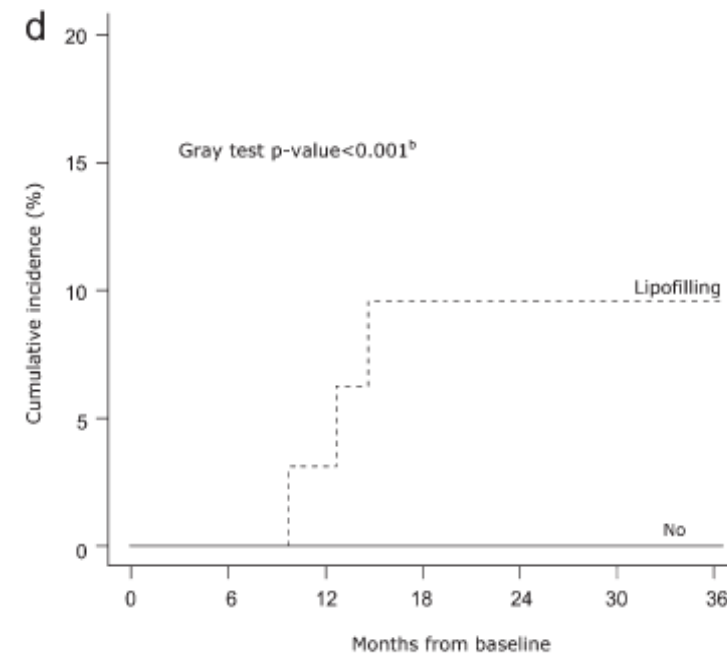


Figure 2. Cumulative incidence of local events^a. ^aLocal, locoregional, local and distant. CI, confidence interval.

- Caso controle pareado (1:2)
- 321 pacientes com lipoenxertia e CA de mama
- 56 meses de seguimento



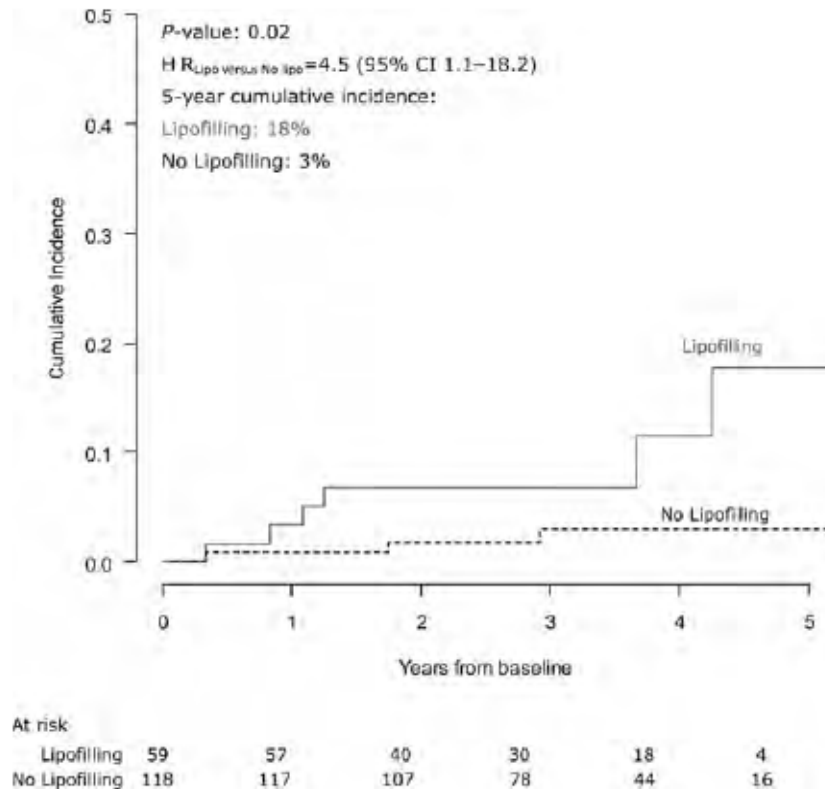
CA in situ

Evaluation of fat grafting safety in patients with intra epithelial neoplasia: a matched-cohort study

J. Y. Petit^{1*}, M. Rietjens¹, E. Botteri², N. Rotmensz², F. Bertolini³, G. Curigliano⁴, P. Rey¹, C. Garusi¹, F. De Lorenzi¹, S. Martella¹, A. Manconi¹, B. Barbieri¹, P. Veronesi⁵, M. Intra⁵, T. Brambullo¹, A. Gottardi¹, M. Sommaro¹, G. Lomeo¹, M. Iera¹, V. Giovino¹ & V. Lohsiriwat^{1,6}

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Received 26 September 2012; revised 26 November 2012; accepted 7 December 2012



- Caso controle pareado (1:2)
- 56 pacientes com lipoenxertia e CDIS
- 63 meses de seguimento
- RL 18 X 3% (p = 0.02)

- Quadrantectomia
- Idade < 50 anos
- Grau 3
- Ki67 > 14%

Table 1

Cumulative incidence of local events in women with intraepithelial breast neoplasia who received lipofilling (59 from Milan, 48 from Paris) and in a group of 118 controls matched to the Milan cases

Cumulative Incidence of Local Recurrence (%)					
Study	Group	Patients	Local Recurrences	Patient-years	Rate/100 y
Milan	Lipofilling	59	8	285	2.8
Paris	Lipofilling	48	2	130	1.5
Milan plus Paris	Lipofilling	107	10	415	2.4
Milan	Matched control	118	8	679	1.2
Lazzeroni et al, ³¹ 2013	Unmatched control ^a	1171	163	NA	2.1

Abbreviation: NA, not available.

^a Consecutive series of patients with ductal intraepithelial neoplasia unselected for having received or not received breast reconstruction, with or without lipofilling.

QUA = Mastectomy (p=0.20)

Safety of Lipofilling in Patients with Breast Cancer

Jean Yves Petit, MD^{a,*}, Patrick Maisonneuve, Eng^b,
 Nicole Rotmensz, MSc^b, Francesco Bertolini, MD, PhD^c,
 Krishna Bentley Clough, MD^d, Isabelle Sarfati, MD^d,
 Katherine Louise Gale, MD^e, Robert Douglas Macmillan, MD, PhD^f,
 Pierre Rey, MD^{a,g}, Djiazi Benyahi, MD^d, Mario Rietjens, MD^a



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Contents lists available at ScienceDirect

European Journal of Obstetrics & Gynecology and
Reproductive Biologyjournal homepage: www.elsevier.com/locate/ejogrb

Review

Breast cancer and fat grafting: efficacy, safety and complications—a
systematic reviewM. De Decker^{a,1}, L. De Schrijver^{a,1}, F. Thiessen^{a,b}, T. Tondur^{a,b}, M. Van Goethem^{a,c},
W.A. Tjalma^{a,d,*}^a Multidisciplinary Breast Clinic Antwerp University Hospital, University of Antwerp, Antwerpen, Belgium^b Plastic Surgery Unit, Antwerp University Hospital, Antwerpen, Belgium^c Department of Radiology, Antwerp University Hospital, Antwerpen, Belgium^d Unit of Gynaecologic Oncology, Department of Obstetrics and Gynaecology, Antwerp University Hospital, University of Antwerp, Antwerpen, Belgium

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The Breast

journal homepage: www.elsevier.com/brst

Review

Systematic review: The oncological safety of adipose fat transfer after
breast cancer surgeryKarl Waked^{a,*}, Julien Colle^a, Maarten Doornaert^b, Veronique Cocquyt^a,
Phillip Blondeel^a^a University Hospital of Ghent, De Pintelaan 185, 9000 Ghent, Belgium^b Private Medical Center: Maalbebrugge Ghent, Maalbebruggestraat 288, 9000 Ghent, Belgium

Table 4

Prevalence of complications and local cancer recurrence.

		CI 95%	Patients analysed (n)	Complication rate (n)	Min. and max. rate (n)
Fat necrosis	5.31%	±1.28%	1186	63	0–16
Other benign lesions	8.78%	±1.60%	1207	106	0–46
Infection	0.96%	±0.52%	1355	13	0–3
Local cancer recurrence	1.69%	±0.51%	2419	41	0–7

RR de RL com lipofilling: 0 – 3,9% ao ano
S/ lipofilling: 1 - 2% ao ano (NS)

ONCOPLASTIA E RECONSTRUÇÃO MAMÁRIA

Educação continuada teórico-prática da SBM

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12 meses

2017

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