

Curriculum Vitae

Jaume Masia, MD, PhD

Dr. Jaume Masià holds a degree in Medicine and Surgery from the Universitat Autònoma de Barcelona and is a renowned Board-Certified Specialist in Plastic Surgery. He obtained his PhD in Medicine from the same institution, where he currently serves as a Full Professor in the Department of Surgery at the Faculty of Medicine. Dr. Masià is the Director of the Plastic and Reconstructive Surgery Department at both Hospital de la Santa Creu i Sant Pau and Hospital del Mar in Barcelona.

In 1998, he pioneered the introduction of perforator flap microsurgery (DIEP, SGAP, TAP) in Spain and made significant contributions to preoperative planning using CT angiography, improving the safety, reliability, and efficiency of microsurgical techniques.

Since 2005, Dr. Masià has been at the forefront of lymphedema surgery in Europe, leading innovations in lymphatic imaging with indocyanine green (ICG) and advanced reconstructive protocols.

He is widely regarded as one of Europe's leading experts in reconstructive microsurgery and has lectured at prestigious universities worldwide.

In 2008, he co-founded the **European School of Reconstructive Microsurgery**, where he co-directs both the **International Master's in Reconstructive Microsurgery** and the **European Master's in Oncologic, Reconstructive, and Aesthetic Breast Surgery**.

Dr. Masià is the author of several books and numerous scientific articles and leads a research group at the Sant Pau Research Institute in Barcelona, focusing on the pathophysiology and treatment of lymphedema.

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Current Position:

- **Chief of Plastic Surgery Department**, Hospital de la Santa Creu i Sant Pau, Barcelona, Spain
- **Full Professor in Lymphedema Surgery**, Department of Surgery, School of Medicine, Universitat Autònoma de Barcelona, Spain
- **Co-Director of the European School of Reconstructive Microsurgery**
- **General Secretary of the World Society of Reconstructive Microsurgery (WSRM)**

Fields of interest:

- Breast Reconstruction
- Lymphedema Surgery
- Genital Reconstruction
- Lower Limb Reconstruction

Important Positions & Achievements:

- **General Secretary of the World Society of Reconstructive Microsurgery** from 2023
- **Spanish Delegate for EURAPS (European Association of Plastic, Reconstructive and Aesthetic Surgery)** 2020 - 2024
- **Past-President of the Spanish Society of Plastic, Aesthetic and Reconstructive Surgery** Educational Foundation 2011 - 2015
- **Academic Co-Director of the International Master's Degree in Reconstructive Microsurgery**, European School (RMES – Universitat Autònoma de Barcelona) from 2010
- **Academic Co-Director of the European Master's Degree in Surgical Oncology, Reconstructive and Aesthetic Breast Surgery**, Universitat Autònoma de Barcelona from 2014
- **Spanish Delegate for EBOPRAS (European Board of Plastic, Reconstructive and Aesthetic Surgery)** 2013 - 2016.
- **Chairman of the Educational Committee of the European Federation of Microsurgery Societies (EFMS)** 2015 - 2021.

Memberships:

- European Association of Plastic Surgeons (EURAPS)
- World Society of Reconstructive Microsurgery (WSRM)
- Spanish Society of Plastic, Reconstructive and Aesthetic Surgery (SECPRE)
- Spanish Association of Microsurgery (AEM)
- Spanish Society of Breast Surgery (SESPM)
- International Society of Lymphology (ISL)
- Association pour le Développement de la Chirurgie Réparatrice de la Tête et du Cou (SFCPEF)

Academic Leadership, Research, and Professional Contributions:

- Author of 6 books, over 25 book chapters, and over 100 national and international publications
- Principal Investigator in over 12 international research projects and clinical trials
- Organizer of numerous congresses, microsurgery trainings and cadaver dissection workshops
- Active participation in national and international congresses, with over 300 presentations

Books:

- Farhadi J, Hofer S i **Masia J.**, “*Contemporary Indications in Breast Reconstruction*“. 1a Edició, 2018. Clinics in Plastic Surgery. Elsevier. ISBN: 978-0-323-56651-3.
- Neligan P, **Masia J** i Piller N. “*Lymphedema: Complete Medical and Surgical Management* “. 1a Edició, 2016. CRC Press. ISBN: 978-1482241099.
- **Masia J.** “*Después del cáncer de mama* “. 2009. Integral - RBA Libros. ISBN: 978-84-9867-538-2.
- Calzacorta P, Enríquez de Salamanca J, **Masia J**, Montón J, Pérez S, Pons G, Ruiz Alonso E. “*Diccionario LID Cirugía Plástica, Estética y Reparadora* “. 2009. LID Editorial. ISBN: 978-84-8356-002-0.
- **Masia J**, Barnadas A. “*Interconsultas de cáncer de mama y ovario*“. 2007. Grupo Ars XXI de Comunicación. ISBN: 978-84-9751-244-2.
- **Masia J.** “*Log book*“ de *Cirugía Plástica y Reparadora*“. 2001. Inamed Spain. Dep. Legal: B-33877-97.

Publications:

1. Cadena Ríos, M.I.; **Masia, J.**; Alvarez-Garcia, D.; Londoño Jimenez, J.S.; Jimenez Trujillo, J.F.; Solano, C.C.; Devia-Rodríguez, R. *Breast Cancer-related Lymphedema in Valle del Cauca, Colombia: Prevalence, Risk Factors, and Characterization, Plastic & Reconstructive Surgery-Global Open* 13(4):p e6617, April 2025. | DOI: 10.1097/GOX.0000000000006617
2. **Masia, J.**; Chang, E.I. Discussion: Phase II Study Shows the Effect of Adenoviral Vascular Endothelial Growth Factor C and Lymph Node Transfer in Lymphedema, *Plastic and Reconstructive Surgery* 155(2):p 268e-269e, February 2025. | DOI: 10.1097/PRS.00000000000011745
3. Giunta, R.E.Bassetto, F.Demirdöver, C. Evans, G.R.D.Henley, M. Kaartinen, I. Lehnhardt, M. **Masia, J.**McArthur, P.Saboye, J.Steubing, Y.Aranda, I.M., *Generation Z in Plastic Surgery: Challenges, Solutions and New Horizons - A European and transatlantic overview*,
4. **Masia, J.**, Pomata, C.D., Clavero Torrent, J.A. (2024). “*CTA Focused on Technical Aspects (How to Use and Interpret)*“. In: Hong, J.P., Lee, B.T., Hayashi, A., Visconti, G. (eds) *Imaging for Reconstructive Microsurgery*. Springer, Singapore, November, 19th, 2024 DOI:10.1007/978-981-97-7278-0_3
5. **Masia J.**, Cristhian D. Pomata. “*Basic Principles of Surgical Treatment and Accompanying Complete Decongestive Therapy*“. Yves Harder, Christoph R. Hirche, Katrin Seidenstücker, Moustapha Hamdi (Ed.), *Modern Surgical Management of Chronic Lymphedema*. Thieme, 2024, DOI: 10.1055/b0000000221
6. Ming-Huei Cheng, David W. Chang, **Masia J.** “*Introduction of the 10th World Symposium for Lymphedema Surgery*“, *Journal of Surgical Oncology*, October 10th, 2024. DOI:10.1002/jso.27919.
7. Campos, José Luis; Pons, Gemma; Al-Sakkaf, Ali M; Luseti, Irene Laura; Pires, Laura; Vela, Francisco Javier; Ramos, Elena; Crisóstomo, Verónica; Francisco Miguel Sánchez-Margallo Abellán, Elena; **Masia J.** Lymphatic “*Regeneration after Popliteal Lymph Node Excision and Implantation of Aligned Nanofibrillar Collagen Scaffolds: An Experimental Rabbit Model*“. *Journal of Functional Biomaterials*; Basel Vol. 15, Iss. 8, August 21st, 2024, 235. DOI:10.3390/jfb15080235..
8. J.P. Hong, **Masia J.** “*Funducation*”—*The New Age of Learning, Intersection of Education, and Fun*” *Thieme Open Access journal*, July 18th, 2024. DOI: 10.1055/a-2351-9736
9. L. Sisternas, P. Zamora, M. Fernández, S. López, **J. Masia**, L. Torrano, C. Calleja, C. Vega “*The Superficial Cervical Artery Perforator Flap: Where to find its perforators in the preoperative planning?*” *Journal of Plastic, Reconstructive & Aesthetic Surgery*, Volume 94, Pages 103-105, July 2024.DOI:10.1002/jso.27919.

10. Cristhian D. Pomata, Gemma Pons, **Masia J.** "Barcelona lymphedema algorithm for surgical treatment (BLAST)", *Annals of Breast Surgery*, Vol 8, March, 2024.
11. Pons G., Sisternas L. **Masia J.** "Immediate Partial Breast and Nipple–Areola Complex Reconstruction Using a Superficial Circumflex Iliac Artery Perforator Flap". *Thieme Open Access journal* 2024.
12. Alarcón PZ, Torrano L, Ibarra A, Garrido MF, Playa G, **Masia J.** "Prophylactic lymphedema surgery in lower limb soft tissue sarcomas: A clinical paradigm in a promising field". *Journal of Plastic, Reconstructive & Aesthetic Surgery*, February 2023.
13. Anabel Casanovas-Álvarez, Raquel Sebío-García, Magda Ciendones, Jordi Cuartero, Blanca Estanyol, Josep Padrós, Bárbara García-Valdecasas, Agustí Barnadas, **Masia J.** "Prehabilitation in Patients With Breast Cancer Receiving Neoadjuvant Therapy to Minimize Musculoskeletal Postoperative Complications and Enhance Recovery (PREOptimize): A Protocol for a Randomized Controlled Trial". *Physical Therapy*, Volume 103, Issue 9, September 2023
14. Martínez-Jaimez P, Fuster Linares P, **Masia J.**, Jané P, Monforte-Royo C. "Temporal validation of a risk prediction model for breast cancer-related lymphoedema in European population: A retrospective study" *Journal of Advanced Nursing* Volume79, June, 2023.
15. Ali M Al-Sakkaf, Xavier Bonfill, Sofia Ardiles-Ruesjas, Josefina Bendersky-Kohan, Ivan Sola, **Masia J.** "Risk-of-bias assessment of the randomized clinical trials and systematic reviews on surgical treatments for breast cancer-related lymphedema: A mapping review". *Journal of Plastic, Reconstructive & Aesthetic Surgery* Volume 84, September 2023.
16. Torrano L, Zamora Alarcón P, Ibarra A, **Masia J.**, Sisternas Hernández L, Fernández-Garrido M. "Chimeric SCIP flap with iliac bone for reconstruction of foot first ray in a radiated surgical bed: A case report. *Microsurgery*". Volume43, Issue4 May 2023
17. Campos JL, Pons G, Rodríguez E, Al-Sakkaf AM, Vela FJ, Pires L, Jara MJ, Sánchez-Margallo FM, Abellán E, **Masiá J.** "Popliteal Vascular Lymph Node Resection in the Rabbit Hindlimb for Secondary Lymphedema Induction". *JoVE Journal – Medicine*. November, 2022.
18. Patricia Martínez-Jaimez, Pilar Fuster Linares, Neil Piller, **Masia J.**, Takumi Yamamoto, Luis López-Montoya, Cristina Monforte-Royo. "Multidisciplinary preventive intervention for breast cancer-related lymphedema: An international consensus". *European Journal of Cancer Care*. September 2022.
19. Dip F, Alexandru N, Amore M, Becker C, Belgrado JP, Bourgeois P, Chang EI, Koshima I, Liberale G, **Masia J.**, Mortimer P, Neligan P, Batista BN, Olszewski W, Salvia SA, Suami H, Vankerckhove S, Yamamoto T, Lo Menzo E, White KP, Rosenthal RJ. "Use of fluorescence imaging during lymphatic surgery: A Delphi survey of experts worldwide". *Surgery*, Desember 2022.
20. V. Lopez, J. Maupoey, R.López-Andujar, E.Ramos, K. Mils, P. Martinez, A.Valdivieso, M. Garcés-Albir, L.Sabater, L.Díez, Sergio A Pérez, B.Flores, R.Brusadin, A.López, V. Cayuela, S.Martinez, S.Paterna, A.Serrablo, S.Sánchez-Cabús, A.Gonzálezl, J.González **Masia J.**, C.Loinaz, J.L.Lucena, P.Pastor, C.Garcia-Zamora, A.Calero, J.Valiente, A. Minguillon, F. Rotellar, J.M. Ramia, C. Alcazar, J. Aguilo, J. Cutillas, Ch. Kuemmerli, J.A Ruiperez-Valiente, R. Robles-Campos. "Machine Learning-Based Analysis in the Management of Iatrogenic Bile Duct Injury During Cholecystectomy: a Nationwide Multicenter Study". *Journal of Gastrointestinal Surgery*. July 2022.
21. Fernandez-Garrido M, Nunez-Villaveiran T, Zamora P, **Masia J.**, Leon X. "The extended SCIP flap: An anatomical and clinical study of a new SCIP flap design". *Journal of Plastic, Reconstructive & Aesthetic Surgery* Volume 75, September 2022.
22. J.E. Berner, James K K Chan, Matthew D Gardiner, Alfonso Navia, Rodrigo Tejos, Manuel Ortiz-Llorens, A. Ortega-Briones, **Masia J.**, Rakhurst Jagdeep Nanchahal, Abhilash Jain; "International Lower Limb Collaborative (INTELLECT) study: a multicentre, international retrospective audit of lower extremity open fractures". *British Journal of Surgery*, Volume 109, Issue 9, September 2022
23. Schols RM, Dip F, Lo Menzo E, Haddock NT, Landin L, Lee BT, Malagón P, **Masia J.**, Mathes DW, Nahabedian MY, Neligan PC, Newman MI, Phillips BT, Pons G, Pruimboom T, Qiu SS, Ritschl LM, Rozen WM, Saint-Cyr M, Song SY, van der Hulst RRWJ, Venturi ML, Wongkietkachorn A, Yamamoto T, White KP, Rosenthal RJ."Delphi survey of intercontinental experts to identify areas of consensus on the use of indocyanine green angiography for tissue perfusion assessment during plastic and reconstructive surgery". *Surgery*, Volume 172, Issue 6, Supplement, December 2022.
24. T. Nunez-Villaveiran, P. Zamora, **Masia J.**, M. Fernández-Garrido. "Ankle joint salvage surgery with an ipsilateral mid-fibula osteocutaneous free flap and contralateral anterolateral thigh free flap: A case report and literature review". *Microsurgery*.Volume42, Issue5 July 2022.
25. Ali M Al-Sakkaf, **Masia J.**, Ariadna Auladell-Rispau, Aliaa I Shamardal, Luis Vasconcello-Castillo, Ivan Sola, Xavier Bonfill. "Evidence Mapping of the Treatments for Breast Cancer-related Lymphedema". *Plastic and Reconstructive Surgery - Global Open*, Volume 10 - Issue 1, January 2022.
26. Martínez-Jaimez P, **Masia J.**, Forero C, Fuster P, Monforte-Royo C. "Hidden Costs in Breast Cancer-Related Lymphedema". *Seminars in Oncology Nursing*, February 2021.
27. Zhang Y, Xiao W, Ng S, Zhou H, Min P, Xi W, **Masia J.**, Blondeel P, Feng S." Infrared thermography-guided designing and harvesting of pre-expanded pedicled flap for head and neck reconstruction". *J*

- Plast Reconstr Aesthet Surg. 2021 Jan 14; S1748-6815(21)00038-3. Online ahead of print. Plastic and Reconstructive Surgery - Global Open January 2022.
28. Martínez-Jaimez P, Armora Verdú M, Forero CG, Álvarez Salazar S, Fuster Linares P, Monforte-Royo C, **Masia J.**, "Breast cancer-related lymphoedema: Risk factors and prediction model". Journal of Advanced Nursing Volume 78, Issue 3, March 2022.
 29. Prabhu R, Masia JS, Berthel JT, Meisel NA, Simpson TW. "Design and manufacturability data on additively manufactured solutions for COVID-19". *Data in Brief*, Volume 36, June 2021
 30. Dip F, Boni L, Bouvet M, Carus T, Diana M, Falco J, Gurtner GC, Ishizawa T, Kokudo N, Lo Menzo E, Low PS, **Masia J.**, Muehrcke D, Papay FA, Pulitano C, Schneider-Koraith S, Sherwinter D, Spinoglio G, Stassen L, Urano Y, Vahrmeijer A, Vibert E, Warram J, Wexner SD, White K, Rosenthal RJ. "Consensus Conference Statement on the General Use of Near-infrared Fluorescence Imaging and Indocyanine Green Guided Surgery: Results of a Modified Delphi Study". *Annals of Surgery*, April 2022.
 31. Angrigiani C, Rancati AO, **Masia J.**, Farhadi J, Khouri K, Acquaviva J, Rancati A. "Modified anterior intercostal artery perforator flap (AICAP) for autologous breast volume restoration after explanation ". *Journal of Plastic, Reconstructive & Aesthetic Surgery*. November 2021.
 32. Chang D, Dayan J, Greene AK, Macdonald JK, **Masia J.**, Mehrara B, Neligan P, Nguyen D. "Surgical treatment of lymphedema: a systematic review and meta-analysis of controlled trials and consensus conference" *Journal of Plastic, Reconstructive & Aesthetic Surgery* 2021 Epub
 33. Pons G, Abdelfattah U, Sarria J, Duch J, **Masia J.**, "Reverse Lymph Node Mapping Using Indocyanine Green Lymphography: A Step Forward in Minimizing Donor-Site Morbidity in Vascularized Lymph Node Transfer". *Plast Reconstr Surg*. February 2021
 34. Pons G, Vilchis R, **Masia J.**, "Prevention of complications in breast cancer related lymphedema surgery". *Plast and Aesthet Research*, 2021

Research projects:

- **Project:** BioBridge – Animal
Lymphatic regeneration after popliteal lymph node excision and implantation of aligned nanofibrillar collagen scaffolds: An Experimental Rabbit Animal Model (2023-2024).
- **Project:** BioBridge – Clínic.
The Efficacy of Unilateral Implantation of Aligned Nanofibrillar Collagen Scaffolds in Patients with Distal Lower Limbs Primary Lymphedema: A Pilot Randomized Clinical Trial (From 2023).
- **Project:** Motiva Flora® Tissue
Expander as a support for the creation of an autologous adipose matrix for hybrid breast reconstruction: a pivotal study (From 2023).
- **Project:** TIDE
First-in-human study of MATTISSE® Tissue Engineering Chamber in adult female after total mastectomy for breast cancer in immediate or delayed 2-stage tissue expander reconstruction or conversion from implant-based to autologous reconstruction. A two-stage single arm non-comparative study of safety and performance. (From 2023).
- **Project:** SCIP
Definition of the lymphatic drainage patterns in the vascular territory of SCIP flap and its variation in superficial abdominal surgeries and primary lymphedema. A cross-sectional study (2022-2023).
- **Project:** Primo
Post-Market, Non-Randomized, Multicentre PMCF Study To Monitor The Safety And Performance Of Symani System In Microsurgical Reconstructive Procedures In A Real Life Setting. (From 2022).
- **Project:** T-LAR study
A randomized, double-blind, placebo controlled, multi-center, Phase III study to assess the efficacy and safety of immediate lymphatic reconstruction after axillary node dissection due to breast cancer. (From 2020).
- **Project:** European prospective study about intraoperative laser Uro Touch for the prevention of abnormal linear scars (2020 - 2022).

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