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**Date of Birth:** November 16, 1981.

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Native Chinese, Dutch (B2)



**ACADEMIC ACHIEVEMENTS**

2001- 2007 Medical School at Universidad Complutense de Madrid, SPAIN.

2008-2013 Plastic Surgery Residency in Clínica Universidad de Navarra. Pamplona, SPAIN.

31st October 2015: EBOPRAS Fellow

23<sup>rd</sup> January 2016: International PhD in University of Navarra. *“Effect of p144 (anti-TGF- $\beta$ ) in an “in vivo” human hypertrophic scars model in nude mice.”*

**FELLOWSHIP**

Microsurgical Fellowship July 2013- July 2014 in Chang Gung Memorial Hospital. Taiwan. Director of the program: prof. Fu Chan Wei

**CLINICAL OBSERVER:**

1. July 2011: Hand Surgery Unit. Canniesburn Plastic and Reconstructive Department. Glasgow. Scotland. UK.
2. April-June 2012: Microsurgical Hand Surgery. Dr. Piñal. Santander, SPANJE.

## **JOB POSITION**

September 2014-January 2015: Hospital Santa Creu i Sant Pau. Barcelona. Spain.

Chairman: Dr. Jaume Masià

3th-12<sup>th</sup> November 2014. Staff member in “International master’s degree in Reconstructive Microsurgery”. Edition 2014-2016. Microvascular surgery training using a small animal model module. Director: Dr. Jaume Masià.

From April 2015 Consultant in Plastic Surgery Department at the Maastricht University Medical Center. Maastricht. The Netherlands. Prof van der Hulst.

## **RESEARCH ACTIVITY**

1. April 2011. “Study of nerve regeneration in rats.” Experimental model. Clinica Universidad de Navarra. Spain
2. January 2014: “Study of the immunomodulation of ADSC in a model of hind limb transplant in rats.” Chang Gung Memorial Hospital. Taiwan.
3. Since April 2015: co-promotor of 3 PhD students in projects about Lymphedema in breast cancer survivors, Imaging in Lymphedema (MRL), Near-Infrared camera and its clinical application in Plastic Surgery.
4. ZonMW Governmental grant for research in Lymphedema surgery. 2018. Starting per 1<sup>st</sup> November 2018.

## **Thesis committee member**

1. 4<sup>th</sup> November 2016. University of Navarra, Spain. Dissertation of dr Alvaro Cabello Perez. “Facial reanimation with gracilis muscle transfer neurotized to cross-facial nerve graft versus masseteric nerve: a comparative study using the FACIAL CLIMA evaluating system”.
2. 21<sup>st</sup> April 2017. University Pablo de Olavide of Sevilla, Spain. Dissertation of Joaquin Velazquez Velazquez. “Mejora y protocolizacion del proceso diagnostic, terapeutico y seguimiento en el Síndrome del Tunel Carpiano”.

## **AWARDS**

1. 2008/2009: 3<sup>rd</sup> Award of Ulysses de Academia MIR, Madrid. "Experimental study of the nerve regeneration using an inhibitor of TGF-  $\beta$ 1 (P144<sup>®</sup>)".
2. 2010 Mentor Award XXXV Meeting of SVNRA, Bilbao, Spain. "Results in the immediate repair of the facial nerve after tumoral resections".
3. January 2012. IV Dr. Landecho Scholarship. Medical College of Navarra. Spain.
4. XLVII SECPRE Congress. Mallorca, April 2012. Optomedic Award to the best paper of Microsurgery. "Comparison of the results for dynamic reanimation of facial palsy using free muscle transplantation using masseter nerve vs. cross face nerve graft as donor nerves."
5. 2014 March 29th. Fourth award in Evidence-based in Medicine competition. Chang Gung Memorial Hospital. Taiwan.

#### **LOCAL FREE PAPER PRESENTATION:**

1. **Qiu S**, Botellé J, Rodríguez-Losada G, Vila A, Gómez R, Aubá C, Hontanilla B. Congenital ptosis of the upper eyelid corrected by a modified frontalis suspension technique using autogenous tendons. XXXIII SVNRA. November 2008, Logroño, La Rioja, Spain.
2. **Qiu S**, Rodríguez-Losada G, Vila A, Gómez R, Buendia J, Aubá C, Hontanilla B. Reconstruction of a complex facial defect after a resection of an osteoblastic osteosarcoma in maxilla. II MEETING OF CASE REPORT OF SVNRA. April 2010. Pamplona, Navarra.
3. **Qiu S**; Vila A; Gómez R; Buendia J; Marré D; Hontanilla B. Evaluation of the freezing in the arterial anastomosis in rats. XVI CONGRESS OF THE SPANISH SOCIETY OF SURGICAL RESEARCH. September 2010. Pamplona, Spain.
4. **Qiu S**; Vila A; Gómez R; Buendia J; Marré D; Hontanilla B. Results in the immediate repair of the facial nerve after tumoral resections. XXXV SVNRA. November 2010. Bilbao, Spain.
5. **Qiu S**; Vila A; Gómez R; Buendia J; Marré D; Hontanilla B. Quality of life in head and neck cancer patients treated with surgical resection and microsurgical resection versus radical radiotherapy. XLVI SECPRE CONGRESS. June 2011.

Murcia. Spain.

6. **Qiu S**; Vila A; Gómez R; Buendia J; Marré D; Hontanilla B. Anatomical study of masseter nerve and its vascularization. A new technique based on hemitransposition of the masseter muscle for dynamic rehabilitation of facial palsy. XLVI SECPRE CONGRESS. June 2011. Murcia. Spain.
7. **Qiu S**; Vila A; Gómez R; Buendia J; Marré D; Hontanilla B. Results after immediate repair of extrapetrosus branches of facial nerve. XLVI SECPRE CONGRESS. June 2011. Murcia. Spain.
8. **Qiu S**, Gómez R, Buendia J, Marré D, Cabello A, Hontanilla B. Dynamic rehabilitation of facial palsy after radical resection of recidivant vascular malformation. XXXVI SVNRA 11-12th November 2011. Spain.
9. **Qiu S**, Gómez R, Buendia J, Marré D, Cabello A, Hontanilla B. Surgical treatment of vascular anomalies in the face. XLVII SECPRE Congress. April 2012. Mallorca, Spain
10. **Qiu S**, Gómez R, Buendia J, Marré D, Cabello A, Hontanilla B. Comparison of the results for dynamic reanimation of facial palsy using free muscle transplantation using masseter nerve vs. cross face nerve graft as donor nerves. XLVII SECPRE Congress. April 2012. Mallorca, Spain
11. **Qiu S**. Effect of TGF-beta1 inhibition in hypertrophic scars in an animal model. XLVIII SECPRE Congress. June 2013. Tenerife. Spain.
12. **Qiu S**, Buendia J, Marre D, Cabello A, Gonzalez I, Auba C, Hontanilla C. Posterior septal perforation repair with FAMM. XLVIII SECPRE Congress. June 2013. Tenerife. Spain.

#### **INTERNATIONAL FREE PAPER PRESENTATION:**

1. **Qiu S**, Botellé J, Rodríguez-Losada G, Vila A, Gómez R, Hontanilla B. Effect of the freezing in the femoral artery of the rat. XII ECSAPS 2008. September 2008, Bern, Switzertland
2. **Qiu S**, Gómez R, Buendia J, Marré D, Cabello A, Romeo M, Rodríguez-Losada G, Aubá C, Hontanilla, B. Histological findings of human hypertrophic scar grafts obtained in nude mice. XVI ECSAPS Meeting. October 2011. Pamplona. Spain.

3. **Qiu S**, Kolios G, Huang JJ and Cheng MH. Comparison of one-side or two-sides recipient vessels for bilateral breast reconstructions with bilateral DIEP flaps. WSRM 2015, March 19-22. Mumbai. India.
4. **Qiu S**, Lu J, Chuang D. Reliability of various predictors for preoperative diagnosis of infraclavicular brachial plexus lesions with combined shoulder and elbow paralysis. EURAPS 2015, May 28-31. Edinburgh, Scotland. UK.
5. Qiu S. Lymphovenous Anastomosis (LVA) Under Local Anaesthesia as Treatment for Lymphedema Prospective Study. XII National Lymphedema Network international conference. 31 August- 4 September 2016. Dallas. US.
6. Qiu S. Discontinuity of the use of stockings as the main outcome after lymphatic venous anastomosis: a prospective study. Mayo Clinic-Chang Gung Memorial Reconstructive Surgery Symposium. 19-22 October 2016. Munich. Germany
7. Qiu S. Lymphatico-venous anastomosis as treatment for breast cancer-related lymphedema: A prospective study on quality of life. 26<sup>th</sup> world congress of Lymphology. 25-29<sup>th</sup> September 2017

#### **POSTERS**

1. **Qiu S**, Chen HY, Hsu CC, Cheong CF, Lin CH, Chen NJ. Negative pressure wound therapy for the salvage of venous congested flaps. WSRM 2015, March 19-22. Mumbai. India.
2. Qiu S, Cornelissen A, Lopez Penha T, Keuter X, Piatkowski A, Tuinder S and van der Hulst R. Outcomes of Vascularized versus non-vascularized lymph node transplant in animal models with lymphedema: review of the literature. WSLS 2016, 25-27 april. Linkou Chang Gung Memorial Hospital. Taiwan.

#### **INVITED SPEAKER**

1. *Surgical options for Lymphedema*. 1 April 2016. Huidcongress. Apeldoorn. The Netherlands.
2. Chirurgische oplossing voor lymfoedeem. 7 October 2016. Oncologie centrum MUMC. The Netherlands.

3. Robotic Lymphaticovenous anastomosis. 4-5 March 2017. Ramses congress. Maastricht, The Netherlands
4. The Maastricht Approach. Prospective study of the first 100 cases of LVA. 5-6 May 2018. TSSH. Taipei.
5. The lessons learnt with the first 100 cases of LVA for lymphedema patients. 14<sup>th</sup> EFSM Belgrade, Serbia. 6-8 May 2018
6. Invited professor lecture. LVA for lymphedema patients. Maastricht experience. Uppsala, Sweden. 15 May 2018
7. Supermicrosurgery congress. Jinan, China, 12-14 October 2019.

## PUBLICATIONS

1. Gómez R; Serra JM; Bergera J; Ansó M; Gorriá O; **Qiu S**; Aubá C; Hontanilla B. Nerve regeneration after local administration of the inhibitor peptide of the TGF- $\beta$ 1 (P144<sup>®</sup>). *Eur J Plast Surg* March 2010; 33:135-142.
2. **Qiu S**; Hontanilla B. Congenital ptosis of the upper eyelid corrected by a modified frontalis suspension technique using autogenous tendons. *Ann Plast Surg* 2011 Aug; 67(2): 129-33.
3. Hontanilla B, Aubá C, Vila A, Gomez R, **Qiu S**, Rodriguez-Losada G. Masseter nerve as "baby sitter" procedure in short-term facial paralysis. *Can J Plast Surg* 2011, 19: 86A
4. Rodríguez-Losada G, Aubá C, Vila A, Gomez R, **Qiu S**, Buendia J, Marre D, Hontanilla B. Tratamiento quirúrgico de la úlcera de majorlin en sinus pilonidal. *Heridas y cicatrización*. 2011 Marzo 5(2) 34-36.
5. Hontanilla B, **Qiu S**. Transposition of the hemi-masseteric muscle for dynamic rehabilitation of facial paralysis. *J Craniofacial Surg*. 2012; 23:203-205.
6. **Qiu S**, Cambeiro M and Hontanilla B. Comparison of quality of life in head and neck stage 4 squamous cell cancer patients treated with surgery and reconstruction vs. radical radiotherapy. *Ann Plast Surg*. 2013. Jan 22.
7. Hontanilla B, **Qiu S** and Marré D. Effect of postoperative brachytherapy and external beam radiotherapy on functional outcomes of immediate facial nerve repair after radical parotidectomy. *Head Neck*. 2014:36:113-9.

8. Hontanilla B, **Qiu S**, Marre D. Surgical management of large venous malformations of the lower face. *Br J Oral Maxillofac Surg*. 2013;51:752-6.
9. **Qiu S**, Jurado M, Hontanilla B. Comparison of TRAM vs. DIEP flap in total vaginal reconstruction after pelvic exenteration. *Plast Reconstr Surg*. 2013;132:1020e-7e
10. Romeo M, Cuccia G, **Qiu S** et al. Innervation of a prefabricated flap: a new experimental model. *Biomed Res Inter*. 2014.vol 2014;pp.549819.
11. **Qiu S**, Cheng MH. Vascularized lymph node flap transfer and lymphovenous anastomosis for Klippel-Trenaunay Syndrome with congenital lymphedema. *Plast Reconstr Surg Global Open*. 2014;2: e167.
12. Chen HH, **Qiu S**, Lin CH, Kang CJ and Liao CT. Fibula osteoseptocutaneous flap: advantages of beginning the harvesting from the posterior approach. *Ann Plast Surgery*. 2015;Nov 5.
13. **Qiu S**, Dotor J and Hontanilla B. Effect Of P144<sup>®</sup> (Anti-TGF- $\beta$ ) In an "In Vivo" Human Hypertrophic Scar Model In Nude Mice. *PLoS One*. 2015;10:e0144489
14. **Qiu S**, Hsu CC, Hanna SA, Chen HY, Cheong CF, Lin CH and Chang NJ. Negative pressure wound therapy for the management of flaps with venous congestion. *Microsurgery*. 2016;Jan 25
15. **Qiu S**, Huang JJ, Wu, Kolios G, Cheng MH. Outcomes of one-side versus two-sides recipient vessels for bilateral breast reconstructions with bilateral DIEP flaps. *J Surg Oncol*. 2016;114:5-10.
16. Fernandez Garrido M, **Qiu S**, Vega Garcia C, Pons-Playa G and Masia J. Chimeric-SCIP flap including external oblique fascia: a refinement of conventional harvesting. *Plast Reconstr Surg Global Open*. 2016;28;4:e766
17. Boer M, **Qiu S**. Communications and Correspondence: Success of free flap anastomoses performed within the zone of trauma in acute lower limb reconstruction. *J Plast Reconstr Surg*. 2016;69:1453-4.
18. Cornelissen A, **Qiu S**, Lopez Penha T, Keuter X, Piatkowski de Grzymala A, Tuinder S and van der Hulst R. Outcomes of vascularized versus non vascularized lymph node transplant in animal models for lymphedema. Review of the literature. *J Surg Oncol*. 2017; 115:32-36

19. **Qiu S**, Chen YC. The role of local bupivacaine irrigation for postoperative pain control after augmentation mammoplasty: a systematic review and meta-analysis. *Plast Surg*. 2017; 25: 32-39
20. Cornelissen A, Solberg L, **Qiu S**, Tuinder S, van der Hulst R. Breast implant infection after nipple piercing. *Aest Surg J*. 2017;37:NP3-NP4.
21. Cornelissen A, Kool M, Lopez Penha TR, Keuter XH, Piatkowski AA, Heuts E, van der Hulst RR, **Qiu S**. Lymphatico-venous anastomosis as treatment for breast cancer related lymphedema: a prospective study on quality of life. *Breast Cancer Res Treat*. 2017;163:281-286
22. Auba C, Cabello A, Garica-Tuto E, Vila A, Qiu SS, Torre W. Perforator flaps covering alloplastic materials in full-thickness chest wall defects reconstruction: a safe option?. *Plast Reconstr Surg Glob Open*. 2017.25;5:e1289.
23. Cornelissen A, Kool M, Qiu SS. Quality of life questionnaires in breast cancer related lymphedema patients: review of the literature. *Lymph Res Biol*. 2017.
24. Cornelissen A, Beugels J, Ewalds L, Heuts EM, Keuter XHA et al. The Effect of Lymphaticovenous anastomosis in Breast cancer-related lymphedema: a review of the literature. *Lymph Res Biol*. 2018
25. Ewalds L, Cornelissen A, van der Hulst RRWJ, Qiu S. Improvement of symptoms after lymphaticovenous anastomosis in patients with abdominal wall lymphedema. *Plastic Reconstr Surg Global Open*. 2018;6:e1710.
26. Cornelissen A, van Mulken TJM, Graupner C, Qiu S, Keuter XHA et al. Near-infrared fluorescence image-guidance in Plastic Surgery. *Eur J Plast Surg* 2018;41:269-278.
27. Visser J, Cornelissen A, Qiu S. Breast cancer related lymphedema and genetic predisposition: a systematic review of the literature. *Lymph Res Biol* 2018 ACCEPTED
28. Pruijboom T, Schols R, Qiu S, van der Hulst RRWJ. Potential of near-infrared fluorescence image-guided debridement in trauma surgery. *Case Reports Plast Surg Hand Surg*. 2018;5:41-44.
29. Beugels J, Bod L, van Kuijk SMJ, Qiu SS, Tuinder SMH et al. Complications following immediate compared to delayed deep inferior epigastric artery



- perforator flap breast reconstructions. Breast Cancer Res Treat.2018;169:349-357.
30. van Mulken T, Schols R, Qiu S. Robotic (super) microsurgery: feasibility of a new master-slave platform in an in-vivo animal model and future directions. J Surg Oncol. 2018. ACCEPTED
31. van MulkenTJM, Boymans CAEM, Schols RM et al. Preclinical experience using a new robotic system created for microsurgery. Plast Reconstr Surg. 2018

### TEXTBOOKS CHAPTERS

1. **S Qiu**; C. Aubá. Cutaneous vascularization. Flaps classification. Free and pedicle flaps. Microsurgical repair techniques. Fundamentals of Plastic and Reconstructive Surgery. Ed. Encuaderna. 2010: 29-45.
2. **S Qiu**; B Hontanilla. Surgical treatment of cutaneous lesions. Benign and malignant tumours. Melanoma. Soft tissue sarcomas. Fundamentals of Plastic and Reconstructive Surgery. Ed. Encuaderna. 2010: 52-73.
3. Kaufman MG, Louis MR, **Qiu S**, Buchanan EP. Wound healing. Fundamental topics in Plastic Surgery. Ed. Diego Marre. Stuttgart;New Yord: Thieme, 2018.

Maastricht, 21<sup>th</sup> August 2018