MAX TRAIN

RESOURCE FOR THE COORDINATION OF INTERNATIONAL COOPERATION PROJECTS IN CRANIO-MAXILLOFACIAL SURGERY OF EACMFS.

WHAT IS MAX TRAIN?

Achieving universal access to surgery (including oral and craniomaxillofacial surgery) for all human beings is one of the Sustainable Development Goals set by the UN for 2030, and this requires the cooperation, among many others, of the entire global Oral and Maxillofacial Surgery community and our professional organizations.

Many Oral and Craniomaxillofacial Surgeons in Europe are promoting or collaborating in International Cooperation projects in LMICs (Low and Medium Income Countries).

The Executive and Council of EACMFS have approved the creation of a structure for the impulse, support and coordination of these projects. Members of EACMFS would participate targeting the following objectives:

- Connect all surgeons committed to cooperation projects. Facilitate the networking, exchange of information and experiences
- Provide visibility to these projects. Spread the importance of solidarity and cooperation for development
- Facilitate the creation and development of new projects
- Facilitate the search for and identify volunteers for projects
- Facilitate access to sources of funding or support for projects
- Advise on the design and evaluation of international cooperation projects in Cranio-Maxillofacial Surgery
- Identify Centres in Europe that could provide free treatment for patients with complex pathologies that cannot be operated in their countries of origin and can be transferred for treatment
- Promote training and exchange programmes in Craniomaxillofacial Surgery in developing countries
- Provide overseas opportunities for European trainees in Craniomaxillofacial Surgery
- Identify centres in Europe where trainee surgeons from LMICs could gain experience
- Collaborate with regional or local OMFS associations in training or healthcare projects

COORDINATION PLATFORM

- Fernando García-Marín (Coordinator), fernandogmarin@gmail.com
- Tony Markus, afmarkus@gmail.com
- Domenico Scopelliti, scopelliti61@gmail.com
- Leo Cheng, leo.cheng2@nhs.net
- Nasser Nadjmi, nasser@nadjmi.com

PROJECTS OF INTEREST

- Future Faces. Craniofacial Center Nepal: https://www.futurefaces.org.uk
- Mercy Ships: https://www.mercyships.org

- o Nadjmi Foundation: https://www.nadjmifoundation.org
- o Smile House Italia
- o Mobile Surgery International Oaxaca: https://mobilesurgery.international
- GSR Institute of Craniomaxillofacial Surgery Hyderabad: http://www.craniofacialinstitute.org
- Multidisciplinary Unit for Cranio-Maxillo Facial Anomalies at Bugando Medical Centre, Mwanza, Tanzania.

MAX TRAIN NEWS

- EACMFS approved two scholarships for OMFS trainees or young surgeons from Nepal.

In 2020 EACMFS signed a MoU with the NGO Future Faces, and as part of it approved two scholarships for the training of at least two local Nepali surgeons (not necessarily at the same time) calculated between $6.000-12.000 \in$, covering:

- Travel and accommodation and subsistence for two Nepalese surgeons to Europe for a one-month period (or more if possible)
- Travel and accommodation subsistence for two European surgeons to Nepal for a twoweek period

The SARS-Cov-2 pandemic has delayed the start-up of this program, which will benefit a region of Nepal with few maxillofacial surgery services.

MAX TRAIN LINKS TO RESOURCES OF INTEREST

http://www.esprasshare.org/ https://www.rsm.ac.uk/events/oral-and-maxillofacial-surgery/2019-20/mxn01/ http://www.northerncleftfoundation.co.uk/our-story/our-team/ https://davidnottfoundation.com/ https://omsfoundation.org/ https://www.theg4alliance.org/ https://www.futurefaces.org.uk https://www.futurefaces.org.uk https://www.mercyships.org https://www.nadjmifoundation.org https://mobilesurgery.international http://www.craniofacialinstitute.org

RECOMMENDED BIBLIOGRAPHY ON GLOBAL CRANIOMAXILLOFACIAL SURGERY

- Alkire BC, Shrime MG, Dare AJ, Vincent JR, Meara JG Global economic consequences of selected surgical diseases: a modelling study. Lancet Glob Health. 2015 Apr 27;3 Suppl 2(Suppl 2):S21-7.
- Ambroise B, Benateau H, Prevost R, Traore H, Hauchard K, Dia H, Veyssière A. The contribution of telemedicine to humanitarian surgery. J Craniomaxillofac Surg. 2018 Aug;46(8):1368-1372. doi: 10.1016/j.jcms.2018.05.037. Epub 2018 May 21. PMID: 29884315.

- 3. Ameh E, Narayanan PV, Maya J. Opinion: it's time to end neocolonialism in global surgery. Glob Views. 2020. Devex World 2020: Sponsored by Smile Train. 03 December.
- Aziz SR, Marchena JM, Roser SM, Fernandes RP. Global oral and maxillofacial surgery. Oral Maxillofac Surg Clin N Am. August 2020;32(3).
- Baker T, Irestedt L, Ulisubisya M, Jörnvall H (2016) Establishing an anaesthesia and intensive care partnership and aiming for national impact in Tanzania. Glob Health 12:7. http://www.embase.com/ search/
- Bénateau H, Traoré H, Chatellier A, Caillot A, Ambroise B, Veyssière A. Prise en charge de l'enfant en mission humanitaire maxillofaciale [Child care management in maxillofacial humanitarian mission]. Rev Stomatol Chir Maxillofac Chir Orale. 2015 Sep;116(4):250-60. French. doi: 10.1016/j.revsto.2015.06.001.
- Chung KY, Sorouri K, Wang L, Suryavanshi T, Fisher D. The Impact of Social Stigma for Children with Cleft Lip and/or Palate in Low-resource Areas: A Systematic Review. Plast Reconstr Surg Glob Open. 2019;7(10):e2487. Published 2019 Oct 28.
- Cohen H, Cherian M, Groth S, Noel L, Mwakyusa DH, Penoyar T, et al (2012) Emergency and surgery services of primary hospitals in the United Republic of Tanzania. BMJ Open 2:e000369. http://www.embase.com/search
- 9. Edler AA, Gipp MS (2010) Teaching nonphysician anesthesia providers in Tanzania: a movement toward sustainable healthcare development. Int Anesthesiol Clin 48:59–69
- Elbashti ME, Aswehlee A, Zaggut A. The role of digital technology in overseas maxillofacial prosthetic collaboration: A model of future collaboration. December 2016, The Libyan Dental Journal
- Garcia-Marin F. Access to oral & maxillofacial surgery in Sub-Saharan African countries. Journal of Oral Biology and Craniofacial Research 11 (2021) 608–611
- Gosla Reddy S. Pandey A. Bansal A. Cleft surgery in India Past, present and future and a model for global knowledge transfer. Journal of Oral Biology and Craniofacial Research 11 (2021) 558–562
- Kassebaum NJ, McQueen K. The Role of Cost-Effectiveness Analysis in Global Anesthesia. Anesth Analg. 2018 Apr;126(4):1397-1399.
- 14. Makasa E.M. Universal Access to Surgical Care and Sustainable Development in Sub-Saharan Africa: A Case for Surgical Systems Research. Comment on "Global Surgery – Informing National Strategies for Scaling Up Surgery in Sub-Saharan Africa".. Int J Health Policy Manag 2019, 8(1), 58–60
- Markus AF (editor). Global Craniofacial Health. Journal of Oral Biology and Craniofacial Research, Special Issue. Nov 2021.

- Markus AF Global Surgery and the Sustainable Goals 2030: Implications for Craniomaxillofacial Surgery. Annals of Maxillofacial Surgery, Volume 7, Issue 1, January-June 2017
- 17. Markus AF. Cleft and Craniofacial anomalies. Journal of Oral Biology and Craniofacial Research 2012, May-August, Volume 2, Number 2, pp.75-76
- Masuma Mamdani & Maggie Bangser (2004). Poor People's Experiences of Health Services in Tanzania, Reproductive Health Matters, 12:24, 138-153, DOI: 10.1016/ S0968-8080(04)24135-0)
- Meara JG, Leather AJ, Hagander L, et al. Global Surgery 2030: evidence and solutions for achieving health, welfare, and economic development. Lancet. 2015 Aug 8;386(9993):569–624.
- 20. Ministry of Health and Social Welfare, Dar es Salaam. Primary health services development programme—MMAM 2007–2017.
- 21. Ministry of Health and Social Welfare, Dar es Salaam. Tanzania service availability and readiness assessment (SARA) 2012.
- 22. Mkony CA, Dicker RA, Beard JH, Akoko L, Mwanga A, Ore- sanya LB (2014) Surgical taskshifting in a low-resource setting: outcomes after major surgery performed by nonphysician clinicians in Tanzania. World J Surg 38:1398–1404
- Mtei G, Makawia S, Masanja H (2014) Monitoring and Evaluating Progress towards Universal Health Coverage in Tanzania. PLoS Med 11(9): e1001698. https://doi.org/10.1371/journal.pmed.1001698
- Nyberger K, Jumbam D.T., Dahm J et al. The Situation of Safe Surgery and Anaesthesia in Tanzania: A Systematic Review. World J Surg (2019) 43:24–35 https://doi.org/10.1007/s00268-018-4767-7).
- 25. Penoyar T, Cohen H, Kibatala P, Magoda A, Saguti G, Noel L et al (2012) Emergency and surgery services of primary hospitals in the United Republic of Tanzania. BMJ Open 2:e000369
- Pereira C, Mbaruku G, Bergstro M S, McCord C, Nzabuhakwa C (2011) Emergency obstetric surgery by non-physician clinicians in Tanzania. Int J Gynecol Obstet 114:180– 183
- Reddy C.L., Vervoort D, Meara, J.G., Atun R. Surgery and universal health coverage: Designing an essential package for surgical care expansion and scale-up. www.jogh.org. December 2020,Vol. 10 No. 2

- Reeve ME, Groce NE, Persing JA, Magge SN. An international surgical exchange program for children with cleft lip/cleft palate in Manaus, Brazil: patient and family expectations of outcome. J Craniofac Surg. 2004 Jan;15(1):170–174.
- 29. Ruskin el al. Establishing cleft services in developing countries: complications of cleft lip and palate surgery in rural areas of Indonesia. Archives of Plastic Surgery, vol 46/N0.6/November 2019
- Ruslin M, Dom L, Tajrin A, et al. Establishing cleft services in developing countries: Complications of cleft lip and palate surgery in rural areas of Indonesia. Arch Plast Surg. 2019;46(6):511-517.
- 31. Scheiner A, Rickard JL, Nwomeh B, et al. Global surgery pro-con debate: a pathway to bilateral academic success or the bold new face of colonialism? J Surg Res. August 2020;(252):272e28.
- Shahid R. Aziz Jose M. Marchena Steven M. Roser. Consulting Editor Rui P. Fernandes. Global Oral and Maxillofacial Surgery. Oral and Maxillofacial Surgery Clinics of North America, August 2020 • Volume 32 • Number 3
- 33. Sonderman K.A., Citron I, Meara J.G.. National Surgical, Obstetric, and Anesthesia Planning in the Context of Global Surgery: The Way Forward. JAMA Surg. 2018 Oct 1;153(10):959-960
- Veyssière A, Ambroise B, Traoré H, Chatellier A, Caillot A, Hervé B. Management of Large Maxillomandibular Osteofibrous Dysplasia as Part of a Humanitarian Mission. J Oral Maxillofac Surg. 2017 Feb;75(2):436.e1-436.e10. doi: 10.1016/j.joms.2016.10.006. Epub 2016 Oct 18. PMID: 27837651.
- 35. WHO (2018) Situation analysis of the health sector. http://w.who.int/healthsystems/publications/nhpsp-handbook-ch3/en/
- 36. WHO EXECUTIVE COUNCIL 136th Session 26 January 2015 EB136.R7. Strengthening essential and emergency surgical care and anesthesia as components of universal health coverage. (Draft resolution submitted by Australia, Kenya, Monaco, Nigeria, Rwanda, Senegal, Ukraine, United States of America and Zambia). Aziz SR, Marchena JM, Roser SM, Fernandes RP. Global oral and maxillofacial surgery. Oral Maxillofac Surg Clin N Am. August 2020;32(3).
- Wilson IH, Walker IA. Global Surgery and Anesthesia: No Longer a Pipe Dream. Anesth Analg. 2015 Oct;121(4):841-2
- 38. World Bank (2018) World development indicators data. https:// data.worldbank.org/
- 39. World Health Assembly Resolution WHA68, Price R, Makasa E, Hollands M. Strengthening emergency and essential surgical care and anesthesia as a component of

universal health coverage—addressing the public health gaps arising from lack of safe, affordable and accessible surgical and anesthetic services. World J Surg. 2015 Sep;39(9):2115–2125.