

Artikel Ilmiah

Judul:

Reconstruction of nostril stenosis after skin graft nasal on severe facial burn using cartilage graft, vestibular flap and nasal stent



Ulfa Elfiah

Disampaikan pada acara:

12th Asia Pacific Burn Congress on 14 -17 Aug 2019.

Singapore General Hospital, Singapore

Mepilex® Ag
- the proven
burn solution.

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In a randomized clinical study, healing signs only for healing with Mepilex Ag in children with burns of the hands. After eight days, 75% of the children treated with Mepilex Ag had healed, while it took two weeks to heal 75% of the children with Acticore. Other advantages for both depth, patients receiving Acticore significantly reduced the risk of infection compared to the control group.

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Professor Lee Seng Teik
Emeritus Consultant, Singapore General Hospital
Organising Chair for 1st Asia Pacific Burn Congress

Message by Advisor, Association for Burn Injuries, Singapore

The inaugural Asian-Pacific Burns Congress was held in Singapore in Feb 1992, almost three decades ago. It was held as a forerunner to the 6th ASEAN Congress of Plastic Surgery which also had its inception in Singapore a decade previously in 1982. The National Burns Association of Singapore was formed two years prior to the staging of this AP Congress. The year 1992 is also very significant because it marked the 20th anniversary of the founding of the National Burns Centre in the Singapore General Hospital in 1972.

I have been involved in every stage of the development of burns care in Singapore over the last 5 decades. Tremendous strides have been made in the clinical management of burns patients and also in the research into such exciting areas of basic research such as epidermal stem cell culture, tissue engineering and new wound healing agents. These developments have spawned the founding of other new Societies in Singapore devoted to wound healing, Stem Cell Research and Tissue Regeneration.

It is interesting to look back to the inaugural conference in 1992 which had the participation of eminent personalities involved in Burns prevention like Dr CJ Romer, Chief Injury Prevention Programme of WHO, Prof TT Hirayama WHO Collaborating Centre on Injury Prevention and Prof David Heimbach the President of ISBI. The thrust of the scientific programme was then on Burns Prevention especially in the Asian Pacific Region. This has had a tremendous impact on burns incidence in various countries in the region and in Singapore, burns admissions have been reduced by almost half in the past three decades.

Although tremendous strides have been made regarding our understanding of the epidemiology of burns, their prevention and clinical management, burns remains as an extremely debilitating form of trauma. Burns patients who survive their ordeal will continue to suffer both physically and psychologically. Similar challenges confront the clinicians and members of the multi-disciplinary team and the researchers who are involved in burns care and management. The gaps in our knowledge can only be filled by advances made in our basic and clinical research. Conferences such as these will allow everyone who is dedicated to the field of Burns to share their knowledge and interact with one another for the improvement of care of their patients. It is my wish that all participants in this 12th Asia Pacific Burns Congress will benefit greatly by their attendance and participation.

Dr Chong Si Jack

President, Asia Pacific Burns Association
President, Association for Burn Injuries Singapore
Medical Director Skin Bank Unit
Singapore General Hospital

A/Prof Ong Yee Siang

Head & Senior Consultant
Department of Plastic, Reconstructive and Aesthetic Surgery
Singapore General Hospital

Message from Organising Co-Chairman

Singapore General Hospital and the Association for Burn Injuries, Singapore are honored to organize the 12th Asia Pacific Burn Congress (APBC) in Singapore. This meeting have been endorsed by the Asia Pacific Burn Association (APBA) and also supported by the International Society for Burn Injuries (ISBI).

The APBC is the landmark meeting for the Asia pacific burn care community since its inauguration. This event brings together the top experts in the region to exchange ideas on burn care. The theme of this congress is "Burn Care Excellence through Multidisciplinary team work". This is age old adage. However it captures the essence to achieving excellence in Burn Care. Burn Injuries is a complex and debilitating disease that despite its advancement in the significant reduction in mortalities over the last few decades. Holistic recovery can only be achieved through multidisciplinary care through doctors, nurses, allied health professionals, care givers and the patients themselves.

This congress has been fortunate to receive the support of the regional community with 220 abstracts submitted from 24 countries in the region. This demonstrates the dynamism of burn care community in the region as well as her commitment to teaching and research.

The highlight of this congress will be the signing of the Asia Pacific skin banking guidelines. This skin banking guidelines will undoubtedly help skin banks in the region to benchmark against top centres in the region and provide the platform for future agreements between skin banks. Having a set of regional standards will facilitate regional skin banks to formalise agreement for exchange skin expediently. This is critical particular during mass casualty incidents where allograft skin from established sources is critical for the survival of the patients. We will like to congratulate the skin banking experts in APBA for developing the skin banking guideline.

This congress will not have been successfully organized without the support of our industry partners. They are part of the burn care ecosystem and have helped many clinicians translate and realize their research for the benefits of burn victims. In conclusion, Singapore is proud to host the 12th APBC and we wish every delegate an enriching and meaningful congress.

**Advisory Committee:**

Prof Lee Seng Teik
Prof Tan Kok Chai
Prof Colin Song
Assoc Prof Tan Bien Keem
Ms Goh Meh Meh

Organising Co-Chairman:

Dr Chong Si Jack
Assoc Prof Ong Yee Siang

Committee Members:

Dr Chan Hong Ngee
Ms Joanne Jovina Cheng
Dr Alvin Chua
Assoc Prof Piotr Chlebicki
Mr Er Wei Xiang
Ms Ip Soo Ching Annabelle
Dr Joetly Janna Vale
Ms Kala Adalkan
Dr Kang Chun-Wui Gavin
Dr Cecilia Kwok
Ms Lee Lay Eng

**ORGANISING SECRETARIAT
SGH Postgraduate Medical Institute:**

Ms Emily Lim
Mr Cheng Kam Fei
Mr Lin Iahui
Ms Carynna Ng

Association For Burn Injuries Singapore (ABIS):

Ms Ho Wen Ning

SingHealth Communications Department:

Ms Chio Shu Yu
Ms Lo Sok Wan

Prof Lee Seng Teik

Emeritus Consultant,
Plastic, Reconstructive & Aesthetic Surgery
Singapore General Hospital

Prof Lee is currently the Emeritus Consultant in Dept of PRAS. He has wide ranging interests in education, research and his sub-specialty interest is in cleft and craniofacial surgery. He has 138 publications in peer-reviewed journals and written 17 editorials and 8 chapters in books. He is the recipient of 48 research grants and numerous National, Regional and International awards and lectureships. In his spare time, Prof Lee has been actively engaged in humanitarian missions to SE Asian countries and China. In 2006, he was given the prestigious Singapore International Foundation award in recognition of his humanitarian activities by President SR Nathan. In 2012, he was given the status of "Honorary Citizen" of Cheng Mai County, Hainan province, China.

Prof Tan Kok Chai

Senior Consultant, Plastic, Reconstructive & Aesthetic Surgery, Singapore General Hospital
Associate Professor, Department of Surgery,
National University of Singapore (NUS)
Adjunct Professor, NUS-Duke Medical School
Clinical Associate Professor with the Department of Surgery,
Yong Loo Lin School of Medicine, NUS

Prof Tan is a Senior Consultant Plastic Surgeon at Singapore General Hospital. He is also the Associate Professor at the NUS-Duke Medical School.
His main interest is in Reconstructive Plastic Surgery including Wounds and Burns Injuries Treatment.

Prof Tan was invited speaker at several overseas plastic surgery meetings and has over 60 publications in Medical Journals. He has also held various positions in Professional Societies of Plastic Surgery, Aesthetic Surgery, Burns Injuries, Hand and Microsurgery in Singapore.
Prof Tan was appointed the Master of the Academy of Medicine, Singapore from 2010-2012

**Assoc Prof Tan Bien Keem**

Senior Consultant
Plastic, Reconstructive & Aesthetic Surgery, Singapore General Hospital
Deputy Director
Tissue Transplant, SingHealth Transplant

Positions:
At present Head of Service at Fiona Stanley Hospital, Perth, Australia

Previous:
Medical Director of Cape Plastic Surgery, Senior Consultant & Head of Dept. SGH Plastic, Reconstructive & Aesthetic Surgery, & Director SGH Burn Centre, Singapore

Academic Appointments:

Present: Adjunct Clinical Professor, Curtin University Medical School Advisor, JCST Residency Accreditation Committee, Singapore

Previous: Professor, Duke-National University of Singapore Graduate Medical School & National University Singapore Medical School, Inaugural President of the College of Surgeons, Academy of Medicine, Singapore Chairman of Educational Subcommittee of Association of Plastic, Reconstructive & Aesthetic Surgeons of Southern Africa Head of Dept. Plastic & Reconstructive Surgery, University of the Witwatersrand, Johannesburg Member of the Editorial Board – Journal of Plastic Reconstructive & Aesthetic Surgery

Professional Society Membership:

Past & Founding-President of the Asian Wound Healing Association & Wound Healing Society Singapore. Past President Association of Burn Injuries Singapore & Singapore Association of Plastic Surgeons Publications: 3 Book Chapters 3, 65 Papers

**Prof Colin Song**

Department of Plastic & Reconstructive Surgery
Fiona Stanley Hospital, Perth, Australia

Positions:
At present Head of Service at Fiona Stanley Hospital, Perth, Australia

Previous:
Medical Director of Cape Plastic Surgery, Senior Consultant & Head of Dept. SGH Plastic, Reconstructive & Aesthetic Surgery, & Director SGH Burn Centre, Singapore

Academic Appointments:

Present: Adjunct Clinical Professor, Curtin University Medical School Advisor, JCST Residency Accreditation Committee, Singapore

Previous: Professor, Duke-National University of Singapore Graduate Medical School & National University Singapore Medical School, Inaugural President of the College of Surgeons, Academy of Medicine, Singapore Chairman of Educational Subcommittee of Association of Plastic, Reconstructive & Aesthetic Surgeons of Southern Africa Head of Dept. Plastic & Reconstructive Surgery, University of the Witwatersrand, Johannesburg Member of the Editorial Board – Journal of Plastic Reconstructive & Aesthetic Surgery

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Assoc Prof Tan Bien Keem
Senior Consultant
Plastic, Reconstructive & Aesthetic Surgery, Singapore General Hospital
Deputy Director
Tissue Transplant, SingHealth Transplant

Assoc Prof Tan is currently the Deputy Director, Cell & Tissue Transplant, SingHealth Transplant, Programme Director, Skin Bank, SGH, as well as part-time faculty at the Duke-NUS Graduate Medical School Singapore. He is Past President of the Association for Burn Injuries and the President of the Wound Healing Society in Singapore. He is also Vice-President of the Singapore Reconstructive Microsurgery Society and Chairman of the Asian Symposium for Breast Plastic Reconstructive Surgery, 2013. He has clinical interest in transplant and is currently developing uterine transplant and hand transplant with the O&G and Hand Surgery Departments respectively. Presently, he is also assisting in the arterial revascularization of liver transplants in SGH. He is currently developing tissue banking in SGH and is in the process of attaining American Association of Tissue Banking accreditation for the Skin Bank in SGH.

Assoc Prof Tan was awarded the 8th Yahya Cohen Memorial Lecture – Flap Prefabrication – The Bridge between Conventional Flaps and Tissue-Engineered Flaps at the 37th Annual Combined Surgical Meeting in 2003 and presented the Outstanding Faculty Award at the Residency in SingHealth Excel in 2015. He has been involved in research, education and clinical treatment related to microsurgery for more than 10 years. He has been the Organising Chairman of the biannual Microsurgery Course for eight years and a trainer in the Basic Surgical Skills Course for nine years. He is also the Organising Chairman of our biannual Cadaveric Flap Dissection Course 2013 and 2015 for which he has published several Flap Books. He is an internationally recognised speaker, clinician and researcher and has been invited to lecture in Berlin, Barcelona, Augusta (US), Bangladesh, Indonesia and Taiwan. He has held several mission trips to the Combined Military General Hospital, Bangladesh. He has published extensively in numerous medical journals and books.



Ms Goh Meh Meh
Deputy Director Nursing,
Operating Theatre Services,
Singapore General Hospital

Meh Meh is the Deputy Director Nursing of Operating Theatre (OT) Services in Singapore General Hospital. She oversees the clinical nursing administration and overall management of the OT performances, processes and manpower planning

Since 2009, Meh Meh oversees the revamp and transformation of the Theatre Sterile Supplies Unit into a state-of-the art facility with advanced sterile processing capabilities through IT automation for high levels of quality.

She also successfully optimised OT utilisation to reduce surgery wait time for patients.

She has been involved in many quality projects and research to optimise patient care in perioperative services and published articles in international journal.

Organising Co-Chairman

Dr Chong Si Jack

Organising Chairperson, 12th Asia Pacific Burn Congress
President, Asia Pacific Burns Association
President Association for Burn Injuries Singapore
Medical Director Skin bank Unit
Singapore General Hospital



Dr Chong Si Jack is currently the president of Asia Pacific Burn Association and the founding council member of the Asia Pacific Scar Society.

He spearheads the strategic development of burn care in Singapore. He has more than 100 publications including books and book chapter and sits on the editorial board of international journals. He holds multiple grants with current interest in innovative dressings and skin substitutes.



A/Prof Ong Yee Siang

Organising Chairperson
12th Asia Pacific Burn Congress
Head & Senior Consultant
Department of Plastic, Reconstructive and Aesthetic Surgery
Singapore General Hospital

A/Prof Ong Yee Siang is Senior Consultant in Department of Plastic, Reconstructive and Aesthetic Surgery in Singapore General Hospital. He is also the Program Director for Singhealth Plastic Surgery (2012-2018) and Surgery in General. He graduated from Cambridge University in 1996 and completed his Plastic Surgery training in Singapore before embarking on 1 year fellowship in Reconstructive Microsurgery at Duke University, USA. His main area of practice is in Reconstructive Microsurgery and Burns.

Dr Chan Hong Ngee
 Senior Principal Clinical Pharmacist
 Inpatient Pharmacy
 Singapore General Hospital



Hong Ngee is a clinical pharmacist at SGH specialises in critical care. Her primary practice sites are Medical ICU and Burns Unit. She is in-charge of Burn Care service and oversees staff development, planning, conduct and standards of practice in the area of burn care management.

As a critical care pharmacist she plays an integral part in interprofessional collaboration working along the multidisciplinary team in providing care to the critically ill and burn injury patients. On the education front, she serves as the Programme Director for SGH PGY2 Critical Care Pharmacy Residency Programme and Associate Programme Director for National PGY1 Pharmacy Residency.

Ms Joanne Jovina Cheng
 Senior Nurse Clinician
 Department of Plastic, Reconstructive & Aesthetic Surgery
 KK Women's and Children's Hospital



Advanced Practice Nurse (Paediatrics) and Senior Nurse Clinician Joanne works in the Department of Plastic, Reconstructive and Aesthetic surgery, KKH. She is also an adjunct lecturer at National University of Singapore, Alice Lee Centre for Nursing Studies, Masters of Nursing Program. She has broad interest in wound healing and has authored and co-authored many presentations and posters at local and international conferences.

Outside her institution role, she actively volunteers as a clinical coordinator for SmileAsia missions. She is also a life member of Association of Burns Injuries Singapore, and Cleft and Palate Association Singapore (CLAPAS).

A/Prof Piotr Chlebicki

Senior Consultant
 Department of Infectious Diseases
 Singapore General Hospital



Piotr Chlebicki is an Associate Professor in Duke-NUS Graduate Medical School and Senior Consultant in the Department of Infectious Diseases of the Singapore General Hospital. After graduation from the Medical Academy of Warsaw, Poland he completed residency in Internal Medicine in USA and then specialized in Infectious Diseases in Singapore.

In addition to his busy clinical practice he is also in charge of the Antibiotic Stewardship Program in Singapore General Hospital. He is also the member of the National Antimicrobial Resistance Control Committee and he is working with the Ministry of Health, Singapore on nationwide implementation of ASPs in Singapore.

He participates in research projects investigating prevention and therapy of infections caused by multi-drug resistant bacteria. He also participates in undergraduate and postgraduate teaching in the Singapore General Hospital.

Dr Alvin Chua

Deputy Head of Skin Bank Unit
 Assistant Director,
 Transplant Tissue Centre
 Singapore General Hospital



Dr Alvin Chua is currently the Scientist and Deputy Head at the Singapore General Hospital Skin Bank Unit. He is also Assistant Director of Transplant Tissue Centre, a merged entity responsible for the operations and quality assurance of comprehensive tissue banking services comprising of skin, cardiovascular tissues and iliac vessels.

In addition, he is Adjunct Assistant Professor at the Duke-NUS Medical School, leading in research projects for enhanced healing in burns and chronic wounds. Dr Chua has 16 years of tissue banking and cellular skin culture experience for clinical applications, having been trained in the USA, Switzerland and Australia.

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Mr Er Wei Xiang
Senior Physiotherapist
Physiotherapy Department
Singapore General Hospital

Wei Xiang is a Senior Physiotherapist at the Department of Physiotherapy, Singapore General Hospital. Since graduating with Bachelor of Science (Physiotherapy), Curtin University seven years ago, he has worked alongside patients with burns injuries and reconstructive surgeries post trauma.

His interest in work rehabilitation triggered a Health Manpower Development Plan (HMPP) fellowship at Firefighters Burn Institute, UC Davis Medical Centre and Joseph M. Still Burn Center @ Doctors Hospital in 2016. Besides managing hospital-based Return-To-Work Coordination within the nation-wide tripartite initiative: Return-To-Work Programme, he also attained Disability Management Professional certification through Canada's National Institute of Disability Management and Research (NIDMAR).



Dr Cecilia Kwock
Associate Consultant
Department of Psychiatry,
Singapore General Hospital

Dr Cecilia Kwock is an Associate Consultant in the Department of Psychiatry, Singapore General Hospital (SGH). She works closely with the SGH burns multi-disciplinary team to provide psychiatric support to patients with burns injuries.

In addition, Dr Kwock is a doctor with the Eating Disorders Program at SGH and has an interest in adolescent/young adult psychiatry. She is a Visiting Consultant in the Child and Adolescent Mental Wellness Service at KK Women's and Children's Hospital.



Ms Ip Soo Ching Annabelle (RSW)
Medical Social Worker
Burns Centre
Singapore General Hospital

Annabelle is presently the primary Medical Social Worker with the Singapore General Hospital's Burns Centre and Trauma Activation team.

She has 14 years of experience working directly with children and youth from low-income families and in schools, domestic violence and sexual assault survivors, and burns and trauma survivors.

She supports the nursing team's Critical Emergency & Preparedness Programme Nursing Course.
She is a member of the SGH Peer Support Team and offers emotional support to SGH staff.

She is a key member of the Burns Support Group Singapore that provides continuing support to burns and trauma survivors beyond hospital walls.

ORGANISING COMMITTEE

ORGANISING COMMITTEE

Ms Coreen Low
Senior Nurse Manager
Plastic, Reconstructive and Aesthetic Surgery
KK Women's and Children's Hospital

Coreen is co-chairperson for the SingHealth Wound Management Workgroup and KKH Wound Workgroup. She was involved in SingHealth inaugural "Stop Pressure Injury Day" Committee for Nov 2016 and for 2017. She is Chairperson for SPID 2018.

She actively attends Wounds/Burns conferences and submit papers overseas and locally.
She volunteers as a clinical coordinator for SmileAsia missions overseas.

She is Board Of Directors for Singapore Nurses Association with Honorary Treasurer portfolio. She is life member of Association of Burns Injuries Singapore, Wound Healing Society of Singapore as well as Cleft and Palate Association Singapore (Clapas).



Ms Seah Pei Fen
Senior Physiotherapist
Department of Physiotherapy
Singapore General Hospital

Pei Fen is a Senior Physiotherapist at the Department of Physiotherapy, Singapore General Hospital, with a Master of Science in Burn Care from Queen Mary University of London. She has nine years of working experience in managing patients with Burns injuries and Plastic reconstruction surgeries, both in the acute and outpatient settings.

In 2012, Pei Fen was awarded the Health Manpower Development Plan (HMDP) fellowship in rehabilitation for burns and reconstructive surgery, which she completed at Shriners Hospital-Galveston, USA. Pei Fen has also been actively involved in numerous burn rehabilitation educational activities and talks.



Ms Seah Pei Fen
Senior Physiotherapist
Department of Physiotherapy
Singapore General Hospital

Pei Fen is a Senior Physiotherapist at the Department of Physiotherapy, Singapore General Hospital, with a Master of Science in Burn Care from Queen Mary University of London. She has nine years of working experience in managing patients with Burns injuries and Plastic reconstruction surgeries, both in the acute and outpatient settings.

In 2012, Pei Fen was awarded the Health Manpower Development Plan (HMDP) fellowship in rehabilitation for burns and reconstructive surgery, which she completed at Shriners Hospital-Galveston, USA. Pei Fen has also been actively involved in numerous burn rehabilitation educational activities and talks.



Ms Anna Tan
Senior Principal Occupational Therapist
Occupational Therapy
Singapore General Hospital

Ms Anna Tan has clinical expertise in Burns and Plastic rehabilitation since 2000. She was awarded 2 HMDP sponsorships by MOH on Burns Rehabilitation and Pressure Garment fabrication and was instrumental in improving the quality of pressure garment fabrication in SGH.



Dr Jasmine Ong
Senior Clinical Pharmacist
Inpatient Pharmacy
Singapore General Hospital

Dr Jasmine Ong is a senior clinical pharmacist at the Singapore General Hospital. She attained her BSc(Pharm)(Hons) and Doctor of Pharmacy degrees from the National University of Singapore. She completed her post graduate pharmacy residency training in critical care and has been involved in interprofessional management of critically ill and burn injury patients since.

Dr Ong is actively involved in clinical research with an interest in drug pharmacokinetics of critically ill and pharmacological modulation of hypometabolism in burn injury patients. She has presented her research in international conferences and is a co-author of the SGH Burns handbook.



Ms Emily Tan U-Tong
Senior Medical Social Worker
Art Therapist
Singapore General Hospital

Ms Emily Tan U-Tong is a Senior Medical Social Worker and Art Therapist with Singapore General Hospital. She is also a certified Mental Health First Aid (Singapore) Instructor, and an approved International Critical Incident Stress Foundation (ICISF) trainer for both Assisting Individuals in Crisis and Basic Group Intervention courses.

Emily has over 15 years of clinical experience working directly with individuals and groups in diverse fields such as mental health, grief and bereavement, burns, trauma and crisis intervention. Emily is one of the key persons supporting the Burn Support Group Singapore.



Ms Teng Chai Lian
Senior Nurse Manager
Major Operating Theatre- Burn Operating Theatre
Singapore General Hospital

Chai Lian is the Assistant Director Nursing in Singapore General Hospital. She assists Deputy Director Nursing in managing OT processes, is also responsible for quality management and audits in Major and Burn Operating Theatre.

Since 2002, she has coordinated numerous live tele-surgery transmission workshops for ENT and PRAS disciplines from OT to lecture theatre in SGH campus. She has facilitated, coordinated courses for local and oversea delegates since 2013. She is the speaker at the 2nd Singapore Burn Management Update in 2017 and was the author on the "Keynotes in Burns Operative Theatre" in the Handbook for Acute Burn Management handout in 2017.



Ms Sanda Thangarajoo
Assistant Director Nursing
Department of Nursing
Singapore General Hospital

Sanda is the Assistant Director Nursing and she is responsible for leading, directing, planning and assessing the delivery of competent and safe quality patient care of the Emergency Department and the Department of Plastic, Reconstructive Aesthetic and Burns Centre in Singapore General Hospital.

She is a Midwife by training but has provided leadership and expertise to lead multidisciplinary work in areas like General Medicine, Surgical care and Emergency Department.

However her passion is for Emergency Medicine which is very evident by her enthusiasm on her role in ED. She has done work to improve patient waiting time and have developed and upskilled the nurses in taking up more challenging and outcome based role to improve the patient journey in the ED.



Ms Yap Chew Theng
Senior Nurse Manager
Nursing
Singapore General Hospital

Chew Theng has 20 years of experience in Burn Nursing. She earned her bachelor of Health Science Nursing from the University of Sydney. She went for nursing fellowship and studied her EBN 264 Burns and Plastic Surgery in Queen Victoria Hospital, East Sussex, UK in 2000.

For the past five years, she's overseen nursing care in the Department of plastic, reconstructive & aesthetic and Burn Centre in Singapore General Hospital. She finds satisfaction in helping her patients get their life back to tracks. As a nurturing team leader, she finds it equally rewarding to build a committed team which strives to improve.

15 AUGUST 2019 (THU)

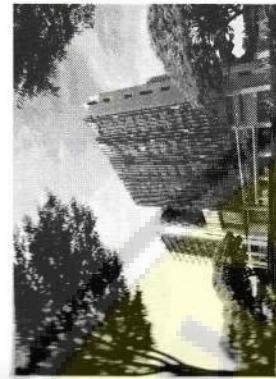
TIME	TOPICS	VENUE	TIME	TOPICS	VENUE
0730 - 0815	Breakfast Symposium - Scar Heal	L1-S1	1600 - 1730	Track 15: Nursing Care in Burn Centre Track 16: Tissue Banking	L2-S3/4
0800 - 0830	Registration			Track 17: Burn Care in Pre hospital & Austere Environment	L1-S3
0830 - 0840	Opening Ceremony	Auditorium		Track 18: Scars Management and Pain Control 1	L1-S4
0840 - 0845	Opening Performance by Burn Support Group	Auditorium	1730	End of Day 1	L2-S1
0845 - 0850	Welcome Address by Dr Chong Si Jack, Organising Co-chairperson, Asia Pacific Burn Congress	Auditorium	1830	Faculty and Organising Committee Dinner	
0850 - 0900	Opening Speech by Senior Minister of State, Ministry of Health, Dr Lam Pin Min	Auditorium			
0900 - 0920	Plenary Lecture 1: Prof Nailem Moiemen, President, ISBI Topic: Working Together on Global Burn Challenges	Auditorium			
0920 - 1030	Tea Symposium - Smith & Nephew Opening Ceremony for SGH Burn Centre (Invited Guests only)	Auditorium	07/10 - 0815	Breakfast Symposium - Urgo	L1-S1
1030 - 1050	Plenary Lecture 2: Dr Rajeev B. Ahuja Past President, ISBI and APBA Topic: Limitations in Measuring Burn Outcomes in LMICs and Redimensioning Burn Education to Improve Quality of Care	Auditorium	0815 - 0835	Plenary Lecture 3: Prof William G. Cioffi, Past President, ISBI Topic: What We Can Do To Improve Burn Care	Auditorium
1100 - 1230	Track 1: Early Excision and Surgical Techniques Track 2: Wound Care Chronic Dressing Track 3: Pediatrics Wound Management 1 Track 4 : Surmounting Challenges in Rehabilitation 1 Track 5 Operating Theatre Nursing Track 6: Wound Dressing Workshop for Hospital Care	Auditorium	0835 - 0915	Plenary Lecture 4: Prof Yann Barrandon, Senior Principal Investigator, SGH Topic: Cell Therapy for Burn Wounds: Challenges Ahead	Auditorium
1230 - 1330	Lunch Symposium - Mölnlycke Health Care	Whitespace, Level 2	0915 - 0955	Plenary Lecture 5: Prof Cecilia Li, Professor PolyU, Hong Kong Topic: Principle of Pressure Therapy on Scar Management- Evidence Based Practice	Auditorium
1330 - 1400	Trade Exhibition		0915 - 0925	Abstracts Award Presentation by 12th APBC Advisors and Burns & Trauma Editor	Auditorium
1400 - 1530	Track 7: Tissue Engineering/Skin Substitutes 1 Track 8: Electrical & Chemical Burns Track 9: Psycho-Social Care Track 10: Burns Education	Auditorium	0925 - 0955	Coffee Break	
1530 - 1600	Track 11: Free Paper 1 (Medical)		0935 - 1005	Signing of Asia Pacific Burn Association Skin Banking Guidelines	Auditorium
1600 - 1730	Track 12 Nutrition and Metabolism Track 13: Critical Care/Resuscitation and Pharmacology Track 14: Reconstruction 1		1005 - 1245	Burn Care in Asia Pacific Regional - Sharing by country/region representatives at Auditorium	
	Coffee Break			1. Australia & New Zealand 2. Bangladesh 3. China 4. Hong Kong 5. India 6. Indonesia 7. Japan 8. Malaysia 9. South Korea 10. Taiwan 11. Thailand 12. USA 13. Vietnam 14. Singapore	
				Poster Judging	

15 AUGUST 2019 (THU)**16 AUGUST 2019 (FRI)**

TIME	TOPICS	VENUE	TIME	TOPICS	VENUE
0710 - 0815	Breakfast Symposium - Urgo	L1-S1	0710 - 0815	Breakfast Symposium - Urgo	L1-S1
0815 - 0835	Plenary Lecture 3: Prof William G. Cioffi, Past President, ISBI Topic: What We Can Do To Improve Burn Care	Auditorium	0815 - 0915	Plenary Lecture 4: Prof Yann Barrandon, Senior Principal Investigator, SGH Topic: Cell Therapy for Burn Wounds: Challenges Ahead	Auditorium
0915 - 0955	Plenary Lecture 5: Prof Cecilia Li, Professor PolyU, Hong Kong Topic: Principle of Pressure Therapy on Scar Management- Evidence Based Practice	Auditorium	0915 - 0925	Abstracts Award Presentation by 12th APBC Advisors and Burns & Trauma Editor	Auditorium
0925 - 0955	Coffee Break		0935 - 1005	Signing of Asia Pacific Burn Association Skin Banking Guidelines	Auditorium
1005 - 1245	Burn Care in Asia Pacific Regional - Sharing by country/region representatives at Auditorium				
	1. Australia & New Zealand 2. Bangladesh 3. China 4. Hong Kong 5. India 6. Indonesia 7. Japan 8. Malaysia 9. South Korea 10. Taiwan 11. Thailand 12. USA 13. Vietnam 14. Singapore				
	Poster Judging				

16 AUGUST 2019 (FRI)

TIME	TOPICS	VENUE
1245 - 1345	Lunch Symposium - MEBO International	Whitespace, Level 2
1345 - 1415	Trade Exhibition	
1415 - 1545	Track 19: Pharmacology/ Renal Replacement Track 20: Free Paper 2 (Nursing) Track 21: Innovations in Rehabilitation Track 22: Reconstruction 2 Track 23: Pediatrics Wound Management 2 Track 24: Tissue Engineering/Skin Substitutes 2	Auditorium L1-S1 L2-S3/4 L1-S3 L1-S4 L2-S1
1415 - 1545	Coffee Break	
1545 - 1645	Track 25: Free Paper 3 (Medical) Track 26: Basic Sciences Track 27: Epidemiology Track 28: Infection Control and Diseases Track 29: Scar Management and Pain Control 2 Track 30: Surmounting Challenges in Rehabilitation 2	Auditorium L1-S1 L2-S3/4 L1-S3 L1-S4 L2-S1
1815 - 1845	Shuttle to Gala Dinner	
1900	Gala Dinner at Grand Copthorne Waterfront Hotel End of Day 2	

**The Academia, Singapore**

20 College Road, Singapore 169856

(Located in Singapore General Hospital Campus)

Strategically located within the Singapore General Hospital campus, Academia stands as an icon of academic medicine, forming the bridge between clinical service, research and education. The 13-storey two-tower building has been designed to foster a vibrant environment for networking and professional collaboration to advance the diagnosis, treatment and innovative care for patients.

With its strategic location and modern conference facilities, Academia regularly hosts renowned medical conferences and workshops. Its facilities include an Auditorium with seating capacity of 444 people, multiple Seminar Rooms, exhibition areas and informal meeting spaces.

Getting Here**By Public Transport**

Nearest MRT Station: Outram Park

Nearest Bus-stops:

Bus Stop	Location	Bus Numbers
Bus Stop A	Jalan Bukit Merah	SBS Transit: 147, 196, 197 SMRT: 167, 961
Bus Stop B	Kampong Bahru Road	SBS Transit: 124, 143, 147, 166, 196, 197 SMRT: 61, 167, 961
Bus Stop C	New Bridge Road Bus Terminal	SBS Transit: 2, 12, 54, 62, 103, 174, 196 SMRT: 61, 190, 520, 961
Bus Stop D	Before Outram Road	SBS Transit: 124, 143, 147, 166, 197 SMRT: 61, 961
Bus Stop E	Along Outram Road	SBS Transit: 33, 63 SMRT: 75, 851, 970

SGH shuttle service is available from the following bus-stops:

- a) Bus-stop opposite Outram Park MRT station (East-West Line) along Outram Road
 - b) Bus-stop outside Outram Park MRT station (North-East Line) along Eu Tong Sen Street Thereafter, alight at Singapore National Eye Centre (SNEC) and cross the road to Academia.
- Note: The shuttle service operates from Monday to Friday, 8.00 am to 7.00 pm.

17 AUGUST 2019 (SAT)

TIME	TOPICS	VENUE
0900 - 1230	Visit to SGH Burn Centre	
1430 - 1700	Burns Support Group Forum and Art Exhibition Launch End of Congress	

VENUE INFORMATION

FLOORPLAN FOR TRADE EXHIBITION

By Car

We would recommend delegates not to drive to the conference venue. Please note that there are no parking facilities within the Academia building premises.

However, if you are driving, you may refer to the carpark locations below (and as indicated in letter P in map below).

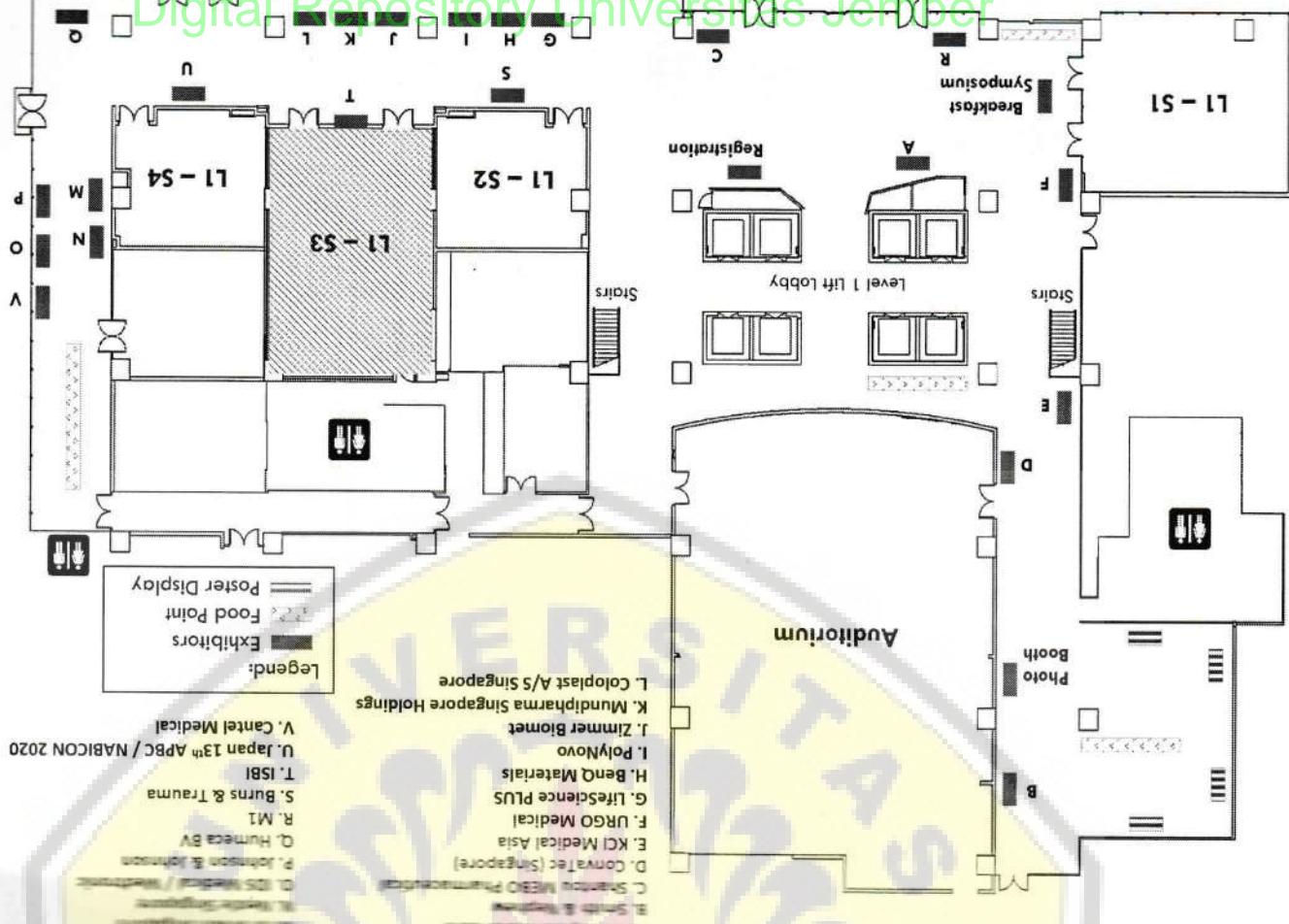
^ Carpark I & part of Carpark C are designated as Valet Parking (weekdays 8am to 6pm). A \$3 fee will apply for Valet Parking services. Normal parking fees apply on top of the Valet Parking fees.

* If you park at Carpark H, take the free shuttle service from Carpark H to SGH Block 4, then walk to Academia. Shuttle bus timetings:

Mondays to Fridays
6.00am to 10.30pm - Approx. 10 mins intervals
First bus: 6.00am
Last bus: 10.10pm

Saturdays
6.00am to 2.00pm - Approx. 10 mins intervals

Carparks	Location	Carpark charges
Multi-Storey Carpark H*	End of MacAlister Road, behind College of Medicine Building (Ministry of Health).	Mon to Sat (7.00am -9.59pm): \$0.018 per minute/\$1.08 per hour Mon to Sat (10.00pm - 6.59am): \$2.14 per entry
National Heart Centre	National Heart Centre Singapore, 5 Hospital Drive (opposite SGH Block 4).	Mon to Sat (7.00am - 9.59pm): \$0.036 per minute/\$2.16 per hour Mon to Sat (10.00pm - 6.59am): \$2.10 per entry
Carpark C	In front of Bowyer Block (Beside SGH Block 4) (Valet)^	Monday to Saturday (7.00am - 9.59pm): \$0.036 per minute/\$2.16 per hour
Carpark E	Opposite SGH Block 2 & 3 (Valet)^	Behind Diabetes & Metabolism Centre
Carpark I	Diabetes & Metabolism Centre (Valet)^	



V. Central Medical
U. Japan 13th APBC / NABICON 2020
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S. Burns & Trauma
R. MI
Q. Humera BV
P. Johnson & Johnson
O. SISI SWEDEN / Sweden
D. SINGAPORE MEDICAL PLACEMENT
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B. KCI Medical Asia
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RECONSTRUCTION
4240

**RECONSTRUCTION OF NOSTRIL STENOSIS AFTER SKINGRAFT
NASAL ON SEVERE FACIAL BURN USING CARTILAGE GRAFT,
VESTIBULAR FLAP AND NASAL STENT**

Ulfia Effiah
Departement of Plastic Surgery, Medical Faculty, Jember University, Indonesia

Background: Reconstruction of nostril stenosis after burn is very challenging cause the nose is central position with the most difficult anatomical unit. The goal of reconstruction is to emulate the lobule-columnella-ala complex anatomically to create adequate nostrils and maintain long term patency so that it is expected to improve psychological and social impairment for the patient.

Materials and Methods: Female, 16 years old with a history of facial burns and undergoes skin grafting in the area of the nose and around the mouth. Since 3 years ago the nostrils began to shrink and in the last 3 months before examining by the plastic surgeon the patient felt more difficult to breathe, felt tight so that it disrupted the activity. Physical examination shows that there is blockage in the nostril area as a result of the growth of scar tissue, which changes the anatomic structure of the tip area of the nose. Changes in structure are also affected by the scar traction around the mouth that extends to the right and left edges of the nose. This operation is underwent general anesthesia. Stenosis segments were incised and rotational vestibular flap was inserted to the alar rim and inner nostril lining as defined by Bozkurt (2012). Cartilage grafts obtained from the ipsilateral auricular conchae were placed between the outer nasal skin and inner vestibular flap to produce structural support. The nostril base side defect is closed with a nasolabial scar flap with z plasty design. Nasal stent is using to prevent collapse of nostril and maintain the size of the nostril after surgery.

Results: Evaluation results 3 months postoperative patients feel satisfied, adequate breathing and nose shape is relatively more acceptable

Conclusion: Cartilage graft with modified vestibular flap and nasal stent post-surgery is an effective and safe alternative for reconstruction of nostril stenosis after severe facial burn

RECONSTRUCTION
4987

**POST BURN NECK CONTRACTURE: AN ALGORITHM FOR
CHOOSING THE IDEAL SURGICAL METHOD OF MANAGEMENT**

MULHAT SAMY HASSAN
Department of Plastic, Reconstructive and Burn Surgery, Faculty of Medicine, Menoufia University, Shebin ElKom, Menoufia, Egypt

Background: Any post burn neck contracture usually causes severe impairment of function and esthetics, which causes severe shortage in productivity of these patients in addition to serious psychological and social problems. That's why it is very important to sub categorize this type of deformity by anatomical location and cause of burn to allow choosing the ideal method of surgical management. A lot of surgical procedures have been described for correcting post burn neck contractures, but to assess the suitability of these techniques for each patients would be very tricky. My algorithm system was made after accurate observations and applications to facilitate this issue.

Materials and Methods: This study included 30 patients of post burn neck contracture deformities operated at the plastic and reconstructive surgery department , Menoufia university,Egypt between march 2017 to march 2019 , these patients were analyzed according to certain parameters These parameters included: age of the patient, The condition of skin at the contracture site, range of sternomastoid muscles movement at both sides of the neck, extent of the damage caused by the previous burn and general condition of the patient. Method of management was tailored according to the data collected previously and the score given. Methods of management included grafts localized random surgical solutions, axial flaps from surrounding areas and axial flaps from distal areas. Accurate and close follow up for each patient was done to evaluate suitability of lines of management performed to the categories and scores given by the algorithm system.

Results: According to parameters given, patients with high scores (grade 1) were suitable for multiple Z release and small random localized flaps, patients with lesser scores (grade 2) were suitable for flaps from the surrounding areas of the neck, lesser scores (grade 3) were suitable for axial flaps from distant areas, and the lowest scores (grade 4) did skin grafts, 25 patients showed great satisfaction to their post operative's outcomes and the rest were quite satisfied especially those in grade 4.Patient satisfaction was high. Complications occurred in about 4 patients which did secondary corrections and were satisfied after.

Conclusion: When we apply Patients with post burn neck contractures to my algorithm system according to certain parameters, It will be easy to choose the ideal method of management and gain the best surgical results possible.

Reconstruction of nostril stenosis after skin graft nasal on severe facial burn using cartilage graft , vestibular flap and nasal stent



Ulfa Elfiah

Introduction

- The nostril stenosis may result from tissue loss, scarring and contracture formation after burn injury
- The deformity can affect the facial profile and balance (Daya, 2009).
- Reconstruction of nostril stenosis is very challenging because the nose is central position with the most difficult anatomical unit (Bouguila et al., 2017) .

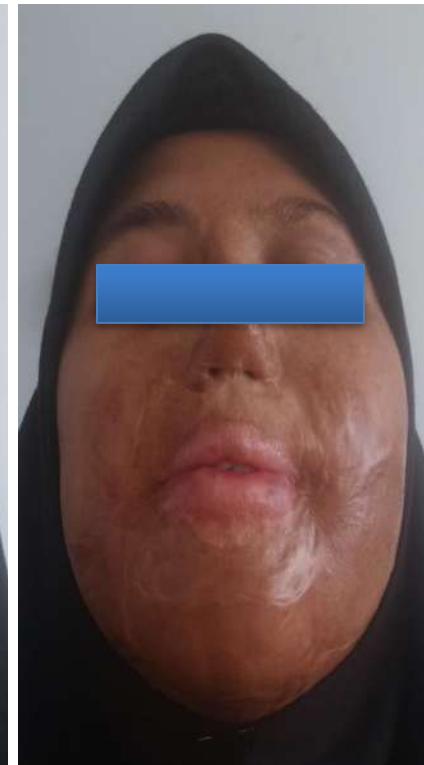
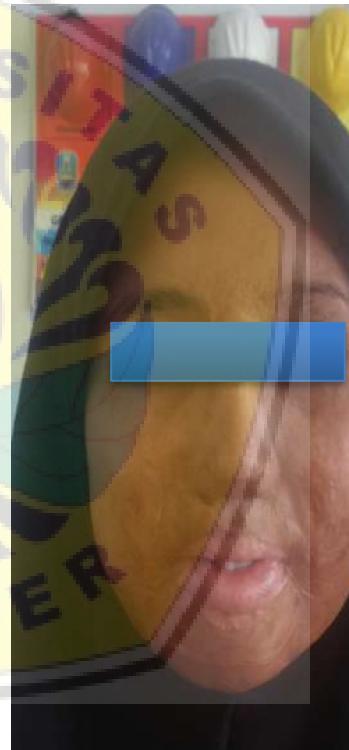
Introduction

- The goal of reconstruction are:
 - to emulate the lobule-columella-ala complex anatomically,
 - To create adequate nostrils and maintain longterm patency
 - it is expected to improve psychological and social impact for the patient

CASE REPORT

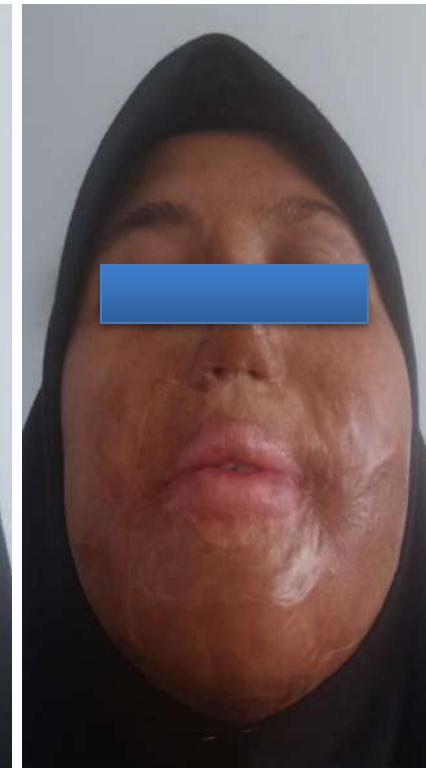
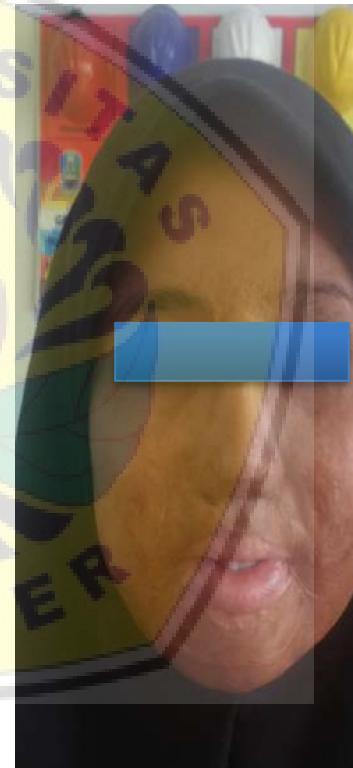
- Female, 16 years old with:
 1. a history of facial burns due to fall into hot cooking oil at the age of 8 years.
 2. undergoes several operations and the last action was skin grafting in the area of the nose and around the mouth.

- since 3 years ago the sufferer felt the nostrils began to shrink and in the last 3 months she felt more difficult to breath, so that it disrupted the activity



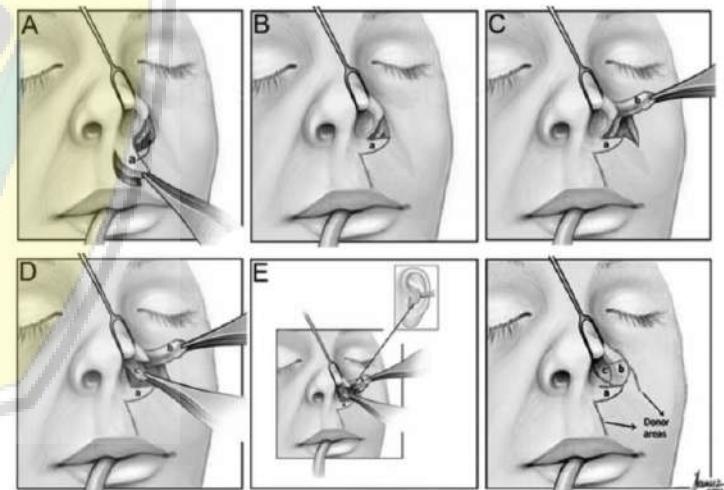
CASE REPORT

- Physical examination showed:
 1. There was blockage in the nares area as a result of the growth of scar tissue, which changed the anatomic structure of the tip area of the nose.
 2. Changes in structure are also affected by the scar traction around the mouth that extended to the right and left edges of the nose.



Operating Technique

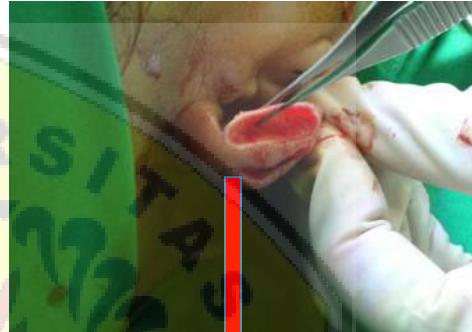
- This operation was underwent general anesthesia.
- Stenotic segments were incised and rotational vestibular flap was inserted to the alar rim and inner nostril lining as defined by Bozkurt (2012).



Preoperative

Operating Technique

- Cartilage grafts obtained from the ipsilateral auricular conchae were placed between the outer nasal skin and inner vestibular flap to produce structural support.
- The nostril base side defect was closed with a nasolabial scar flap with z plasty design
- Nasal stent was using to prevent collaps of nostril and maintain the size of the nostril after surgery



Post Operative

- Evaluation results one week until three months post operatively
- Patients felt satisfied, adequate breathing and nose shape is relatively more acceptable



One week post operative



Three months post operative

Discussion

- The treatment of a burned nose presents somewhat different problem from burns other parts of the body .
- Secondary nasal reconstruction is based on an assessment of the residual functional and cosmetic problems

Discussion

- When the supporting structures of are destroyed, total or subtotal nasal reconstruction is indicated (Kostrubala, 1952)
- Many techniques have been described to reconstruct nasal alae in burns patients, but none of them are completely satisfactory

Discussion

- In this patients, Cartilago grafts from the auricula and modified the vestibular flap defined by Bozkurt and also local flaps are other alternatives for partial stenosis or near-total nostril stenosis accompanied by limited tissue loss may be reconstructed with these alternatives.(Copcu, 2005)(Bozkurt, Kapi, Kuvat, & Selçuk, 2012)

Discussion

- Nasal stenting after nostril reconstruction can assist the scar maturation process, leaving softer remodelled scars.
- The scar improvement that was noted probably resulted from the pressure transmitted on to it by the serial increase in the size of the stent (Daya, 2009)

Conclusion

- We observed in our case, cartilage graft with modified vestibular flap and nasal stenting post surgery is an effective and safe alternative for reconstruction of nostril stenosis which also leads to formation of structural support for preventing post operative restenosis



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