

CURRICULUM VITAE



PERSONAL DETAILS

NAME : AB RANI SAMSUDIN

DATE OF BIRTH : 29 MAY 1959

CITIZENSHIP : MALAYSIAN

ACADEMIC RANK : PROFESSOR

PRESENT POSITION : Professor of Oral & Maxillofacial Surgery
College of Dental Medicine and University Dental
Hospital Sharjah, UAE

OTHER POSITIONS : Visiting Professor at:
National University of Malaysia
University Science Malaysia
Mei Chen Dental Hospital, Shandong, China

ADDRESS & CONTACTS : College of Dental Medicine & University Dental Hospital
University of Sharjah; PO Box 27272, Sharjah,
United Arab Emirates (UAE)

Tel. : +971507076556 (mobile)
+97165057602 (Office-Secretary)
+97165057649(Office-direct)
e-mail : drabrani@sharjah.ac.ae
website : www.sharjah.ac.ae

MARITAL STATUS : Married with 3 children

ACADEMIC & PROFESSIONAL QUALIFICATIONS

Bachelor of Dental Surgery University of Baghdad	1983
Fellowship of the Royal College of Physicians & Surgeons of Glasgow	1992
Membership of Academy of Medicine of Malaysia	1997
Diploma American Board of Aesthetic Medicine	2014

EMPLOYMENT RECORD

Dental Officer in Ministry of Health Malaysia 1983 -1989
 Registrar in Maxillofacial Surgery, National Health Services of United Kingdom 1990-1994
 Lecturer at Department of Surgery, University Sains Malaysia 1994-1997
Foundation Dean of School of Dental Sciences, University Sains Malaysia 1998 – 2006
 Appointed as **Professor of Maxillofacial Surgery** at University Sains Malaysia 2003
Foundation Dean and Director of University Dental Hospital at University of Sharjah, United Arab Emirates – 2006 till 2014
 Professor of Oral & Maxillofacial Surgery at University of Sharjah 2014 – till todate

APPOINTMENT ON NATIONAL COMMITTEES / ORGANIZATIONS

Founding member of the Malaysian National Tissue Bank 1994
 Coordinator of the National Tissue Bank 1995-2005
 Founding member of Malaysian National Transplant Program, Ministry of Health (for Tissue Bank Section) 1998-1999

Founder of the Kelantan Malaysia Cleft Palate Association 1996

Committee member of the IRPA (Intensive Research in Priority Areas) Panel for National Research Grants Award at Ministry of Science, Technology and Environment Year 1998-2006.

Committee member of the National Fundamental Research Grant (FRGS) at Academy of Science Malaysia - Year 2005 – 2007

Council Member at Malaysian Dental Council Year 1999 – 2006

Chair of Technical Committee for Accreditation of dental programs for National Academic Accreditation Board (LAN) Year 2001 – 2007

Council Member for Malaysian Dental Association Year 2004 – 2005

Motivator & Trainer for Youth Development Activities 2003 –till date

APPOINTMENT ON INTERNATIONAL COMMITTEES / ORGANIZATIONS

Country Council member of the Asian Association for Oral & Maxillofacial Surgeons Year 1997-1998

IAEA (International Atomic Energy Agency) Country Expert on Radiated Tissue Grafts for Medical Use, Year 1999 – 2005

Advisory Board of Asia Pacific Dental Students Association 2000 - 2005

Committee member of the South East Asian Association for Dental Education 2003-2005

Member of Accreditation Committee (for LAN) for evaluation of foreign overseas dental programs, Year 2003 -2007.

Project Leader for International Community Services for care of Cleft Lip & Palate Children (MERCY MISSION) in Indonesia . Year 1995 – till today

ACADEMIC APPOINTMENTS AT NATIONAL & OVERSEAS INSTITUTIONS

1. **Membership of Board of Studies** for development of academic dental programs for National University of Malaysia (1996),
University Science Malaysia (1998)
International Islamic University (2002)
International Medical University Malaysia (2006)
Cyberjaya University College of Medical Sciences (2011)
2. **External Assessor** for academic promotions to professorship positions at National University of Malaysia
University of Malaya
University USIM Malaysia
University Science Malaysia
AlQuds University Palestine
University of Kufa, Iraq
3. **External Examinership** for undergraduate and postgraduate programs at :
National University of Malaysia
University Science Malaysia
University of Malaya
University USIM Malaysia
Kuwait University
Hamdan College of Dental Medicine UAE

POST-GRADUATE STUDENTS PROGRAMS AND SUPERVISION

Development of new postgraduate programs:
Director of Postgraduate Programs at University Sains Malaysia

Develop and lead the Master of Dental Science Program (by Research Mode) at School of Dental Sciences University Sains Malaysia in year 2001-2007

Develop and lead the first joint Master of Dental Surgery (USM) in conjunction with Fellowship of Royal Australian College of Dental Surgeons Program in year 2004

Research Programs

Completion of supervision of Higher Degree Science Program (by Research) at University Science Malaysia

Program	Research Area	Supervisory Role	Number of graduates	Period year
MSc	Craniofacial science Tissue engineering	Main supervisor	11	1995 - 2017
		Co-supervisor	3	
PhD	Craniofacial science Tissue engineering	Main Supervisor	4	1999 - 2017
		Co-supervisor	6	

Professional Programs Research Dissertations Projects

Completion of supervision of research dissertation for Master of Medicine (Otorhinolaryngology).

Program	Research Area	Supervisory Role	Number of graduates	Period year
Master of Medicine in ENT	Craniofacial science Tissue engineering	Supervisor	4	2000 - 2007
		Co-supervisor	3	

RESEARCH GRANTS

Project Leader – International Research Grant :

1. IAEA (International Atomic Energy Agency) research grant 1995 – Development of a national tissue bank in Malaysia. Value USD 1.5 million.
2. British Council CICHE Program grant 1999

Project Leader in major strategic research grants – Multi-institutional projects:

1. Strategic research grant from Ministry of Science, Technology and Innovations, Malaysia year 2001 – Development of bone substitute for clinical applications. Value USD 4 million
Other collaborating Institute : Eastman Dental Institute, University of London.
2. National Top-Down research grant from Ministry of Science, Technology and Innovations, Malaysia year 2003 – Development of Malaysian craniofacial database.
Value USD 1.5 million
Other collaborating Institute : University of Otago, New Zealand
3. Strategic research grant from Ministry of Science, Technology and Innovations, Malaysia year 2003 – Oral cancer : development of oral cancer data base and tissue resource bank. Value. USD 2 million.
Other collaborating Institute : University of Malaysia, Cancer Research Institute (CARES)
4. Fundamental Research Grant Scheme (FRGS) from Academy of Science Malaysia 2006 – Development of stem cells from human exfoliated deciduous tooth for bone tissue engineering. Value USD 80,000
5. Boehringer Ingelheim Resrach Grant - 2016 AGE-RAGE pathway in the development and proliferation of oral squamous cell carcinoma. AED 11000.

INDUSTRIAL LINKAGE EXPERIENCE

1. Establish partnership between University Sains Malaysia and Cryocord Sdn Bhd Malaysia, a biotechnology company, for commercialization of processed amniotic membranes produced in USM for clinical use; year 2005
2. Establish partnership between University Science Malaysia and Granulab (M) Sdn Bhd for commercialization of synthetic bone graft; year 2007
3. Establish partnership between University of Sharjah and Institute of Straumann, Switzerland, for development of a Dental Implantology Training Center in United Arab Emirates; year 2012
4. Establish partnership between University of Sharjah and Procter & Gamble (P&G) USA; in association with the development of the first Center for Oral Health in United Arab Emirates; year 2013

Law making Experience : Drafting Malaysian Legal Acts

1. Chairperson in drafting the Malaysian Medical Device Act – for dental implants year 2006 - 2007
2. Committee member in drafting the Malaysian Tissue Transplantation Act year 2004 - 2005

PROFESSIONAL EXPERTISE for COMMUNITY SERVICES

1. Medical and Dental Education
2. Senior Consultant in Maxillofacial Surgery
3. Scientist in Cell and Tissue Banking
4. Trainer for Research Methodology, Grant Application writing, Scientific writing
5. Organizer of Organ Transplant Program
6. Motivator / Trainer for youth general development programs

RESEARCH AWARDS - international

IAEA (International Atomic Energy Fellowship)	: Year 1995
British Council CICHE Award	: 2000
Gold medal award at 30 th Salon International Des Invention Geneva PALEXPO	: 2002
Gold medal award at iENA 2004 Award Nuremberg Germany	: 2004

PROFESSIONAL AWARDS - international

Honorary Fellowship of the Royal College of Surgeons of England	: 2001
Fellow of the International College of Dentist (FICD) - USA	: 2005
Fellow of Pierre Fauchard Academy France (French Academy of Dental Sciences)	: 2012

MALAYSIA COMMUNITY SERVICE AWARDS

Received Excellent Services to Community Award from Government of Malaysia in Year 1985, 1995, 2006 and 2009

LECTURES in CONFRENCES, SEMINARS, FORUMS & EXPERT / TRAINER in TRAINING WORKSHOPS

Delivered lectures in Scientific Conferences and conduct training sessions in Medical & Dental Education, Maxillofacial Surgery and Tissue Banking sciences and services in South-east Asia, Japan, Australia, UK, Europe and Middle East.

SERVICES AS REFEREES FOR PROFESSIONAL & SCIENTIFIC JOURNALS – over the past 2 years

1. Archives of Oral Biology
2. Biomaterial
3. Dental Journal of Malaysia
4. Indian Journal of Oral & Maxillofacial Surgery
5. Malaysian Journal of Medical Sciences
6. Medical Journal of Malaysia
7. European Journal of dentistry

EDITORIAL BOARD MEMBERSHIP (current)

1. Malaysian Journal of Medical sciences
2. Archives of Oral Biology
3. Indian Journal of Oral & Maxillofacial Surgery

PUBLICATIONS IN PEER REVIEWED JOURNALS and CHAPTER IN BOOKS

1. W. Mustafa, KH Ng, **A.R. Samsudin**. Heterotopic gastrointestinal mucosa of tongue - A case report and review of the literature. Singapore Dental Journal. (1991) 16, 24 - 27.
2. **A.R. Samsudin** and D. A. Mason. Symptoms from impacted wisdom tooth. British J. Oral & Maxillofacial Surgery. (1994) 32, 380-383.
3. **A.R. Samsudin**. A preliminary study of informed consent in oral surgery. Experience in University Sains Malaysia. Dent J Malaysia (1995) 16(1): 6-8.
4. **A.R. Samsudin**. Bovine xenografts in maxillofacial reconstructive surgery. International Journal of Oral and Maxillofacial Surgery, Vol. 17, 91-93 (1997).
5. Abdullah J., Rushdan A, Hamzah M. Ariff, **A.R. Rani**, Use of bovine xenograft in traumatic anterior cranial fossa bone defects involving the frontal sinus. Ann Transplant (1999) 4(3/4):28-31.
6. **A.R. Samsudin**. Origins of Tissue Engineering. The Malaysian Journal of Medical sciences (2001) 8:7-9.
7. M. Madhavan, Norhayati Othman and **A.R. Samsudin**. Hyalinizing clear cell carcinoma of minor salivary gland: Case report. Braz Dent J (2002) 13(1)
8. **A.R. Samsudin**. Stem Cell and Tissue Engineering – The Challenge of Imitating Nature. The Malaysian Journal of Medical Sciences (2003) 2:1-3.

9. Baharuddin N.A. and Kamin S. and **Samsuddin A.R.**, The use of demineralized freeze-dried bovine bone xenograft in reducing post-surgical periodontal recession.(2003) *Annals of Dentistry* 10(1) :33-37 ISSN 0128-7532

10. A.H. Suzina, M. Hamzah and **A.R. Samsudin**. Active anterior rhinomanometry analysis in normal adult Malays. *The Journal of Laryngology & Otology* (2003) 117:605-608

11. A.H. Suzina, M. Hamzah & **A.R. Samsudin**. Objective assessment of nasal resistance in patients with nasal disease. *The Journal of Laryngology and Otology* (2003) 117:609-613

12. MT Rahman, NHA Bakar, R Philip and **A.R. Samsudin**. Oral Histoplasmosis Presenting As Oral Ulcer In Non-Hiv Patient. *Southeast Asian J. Trop Med Public Health* (2004) 35:2, 388-390.

13. **A.R. Samsudin**. Bone Biology in Craniofacial Growth, Development and Ageing. *Med. J Malaysia* (2004) 59:6

14. SH Mohamed, A. Arifin, ZA Mohd Ishak, A Nizam, **A.R. Samsudin**. Mechanical and Thermal Properties of Hydroxyapatite Filled Poly(Methyl Methacrylate) Heat Processed Denture Base Material. *Med. J Malaysia* (2004) 59: 25-26.

15. KA Al-Salihi, **A. R. Samsudin**. Bone Marrow Mesenchymal Stem Cells Differentiation and Proliferation on the Surface of Coral Implant. *Med. J. Malaysia* (2004) 59:45-46.

16. AA Raouf, **A.R. Samsudin**, R. Samian, K. Akool, N. Abdullah. Surface Properties and Microporosity of Polyhydroxybutyrate Under Scanning Electron Microscopy. *Med. J Malaysia* (2004) 59:49-50

17. R. Philip, S. Dinsuhaomi, S Rosdan, **A.R. Samsudin**, O Shamsuria, S Mohd Zaki, SMS Jamalulail. In Vitro Evaluation of the Growth Enhancing or Cytotoxic Effect of *Sticophus* Species (Gamat) on Established Human Fibroblast Cell Lines and Antimicrobial Activity. *Med. J Malaysia* (2004) 59:95-96.

18. AA Raouf, **A.R. Samsudin**, FS Al-Joudi, O Shamsuria. Biocompatibility Test Of Polyhydroxybutyrate on Human Cell Line. *Med. J Malaysia* (2004) 59 101-102.

19. AH Suzina, A Azlin, O Shamsuria and **A.R. Samsudin**. Mutagenicity of CORAGRAF and REKAGRAF in the Ames Test. *Med. J Malaysia* (2004) 59:105-106.
20. R. Shaari and **A.R. Samsudin**. In Vitro Cytotoxicity Testing on Value Added Hydroxyapatite as Bone Replacement Material. *Med. J Malaysia* (2004) 59:109-110.
21. S. Rosdan, KA Al-Salihi, AH Suzina and **A. R. Samsudin**. In Vivo Study of CORAGRAF: A Preliminary Results. *Med. J Malaysia* (2004) 59: 111-112.
22. TP Kannan, NL Nik Ahmad Shah, A. Azlina, **A.R. Samsudin**, MY Narazah, Ma'arof Salleh. In Vivo Chromosome Aberration Test for Hydroxyapatite in Mice. *Med. J Malaysia* (2004) 59 115-116.
23. TP Kanan, N. Ahmad Shah, A. Azlina, **A.R. Samsudin**, MY Narazah. Chromosome aberration test for hydroxyapatite in sheep. *Med. J. Malaysia* (2004) 59:168-9.
24. NH Abdul Razak, KA Al-Salihi, **A.R. Samsudin**. An in Vivo Study of a Locally-Manufactured Hydroxyapatite-Based Material as Bone Replacement Material. *Med. J Malaysia* (2004) 59:119-120.
25. HD Najafpour, AH Suzina, A Nizam, **A.R. Samsudin**. A Comparative Study of Osseointegration Phenomenon in Coated and Non-Coated NiTi Implants in a Rabbit Model. *Med. J Malaysia* (2004) 59:121-122.
26. A. Nizam, SH Mohamed, A Arifin, ZA Mohd Ishak, **A.R. Samsudin**. Tensile Strength and Water Absorption of Alumina Filled Poly (Methyl Methacrylate) Denture Base Material. *Med. J Malaysia* (2004) 59:147-148.
27. SH Mohamed, A Arifin, ZA Mohd Ishak, Nizam A, **A.R. Samsudin**. Effect of Powder to Liquid Ratio on Tensile Strength and Glass Transition Temperature Of Alumina Filled Polymethyl Methacrylate (PMMA) Denture Base Material. *Med. J Malaysia* (2004) 59:147-148.
28. CY Ang, **A.R. Samsudin**, AM Al-S Karima, A Nizam. Locally Produced Bovine Bone Sponge As A Hemostatic Agent. *Med. J Malaysia* (2004) 59:149-150.
29. A Pochi, AH Suzina, **A.R. Samsudin**, KA Al-Salihi. Comparative Study Between Dense and Porous Hydroxyapatite Using Light and Scanning Electron Microscopy. *Med J Malaysia* (2004) 59:151-152.
30. A Azlina, **A. R. Samsudin**. Gene Expressions Screening of Human Cell Line Exposed to Locally Produced Biomaterial. *Med. J Malaysia* (2004) 59:166-167.

31. KA Al-Salihi, **A.R. Samsudin**. Coral-Polyhydroxybutyrate Composite Scaffold for Tissue Engineering. *Med. J Malaysia* (2004) 59:202-203.
32. KA Al-Salihi, **A.R. Samsudin**. Malignant Fibrous Histiocytoma (MFH) of the Mandible and Submandibular Salivary Gland: report of a case. *Oral Oncology EXTRA* (2004) 40:123-125
33. K.A. Salihi, K.A. Al-Jashamy, **A.R. Samsudin**, J. Afandi and R. Patchamuthu.
Comparative study between a new method using hexamethaldisilazane and critical point drying for preparation of biomaterial in vitro seeded with bone marrow mesenchymal cells. *Annals of Microscopy* (2004) Vol.4
34. Chong Albert, majid Zulkepli, Ahmad Anuar, Setan Halim and **Samsudin AR**. The use of a national craniofacial database. *New Zealand Surveyor* (2004) 294:15-18 ISSN 0048-0150
35. I Zamzuri, JM Abdullah, **A.R. Samsudin**. Congenital nasal encephalocele – a review of surgical techniques. *Med. J. Malaysia* (2004) 59,4-552-4.
36. S. Harvinder, S Hassan, DS Sidek, M Hamzah, **A.R. Samsudin**, R Philip. Underlying myringoplasty: comparison of human amniotic membrane to temporalis fascia graft. *Med. J. Malaysia* (2005);60(5):585-9.
37. Baharuddin N.A. and Kamin S. (Salmah Kamin), and **Samsuddin A.R.**, The use of demineralized freeze-dried bovine bone xenograft in reducing post-surgical periodontal recession. *Annals of Dentistry* (2005) 12(1) ISSN 0128-7532.
38. Najeeb Abu-Rub, **A.R. Samsudin**, Ahmad Burhanudin Abdullah and Nizam Abdullah. Fixed presurgical orthopaedics for bilateral cleft lip and palate. *Australian Orthodontic Journal* (2005) Vol 21 No 1
39. Normastura Abd. Rahman, Nizam Abdullah, **Abdul Rani Samsudin**, Lin Naing@Mohd Ayub Sadiq. Dental Anomalies and Facial Profile Abnormality of the Non-Syndromic Cleft Lip and Palate Children in Kelantan. *Malaysian Journal of Medical Sciences* (2005) 11:41-51.
40. R.B. Zain, **A.R. Samsudin** et. al., Oral Cancer and Precancer Research in Malaysia – The Database and Tissue Resource Bank. *Oral Oncology* (2005) Vol.10,3-12 ICOOC.

41. Zain RB, **Samsudin AR**, Farini MS, Azlina A, Rushdan I and Manoharan M. Clinical pathological evaluation and risk factors of oral cancer cases of east coast of peninsular Malaysia. *Oral Oncology* (2005) 1(1):166-7.
42. **A.R. Samsudin** and Nizam A. Craniofacial analysis of the Perak Man using CT Scan data and 3D craniofacial reconstruction model. *The Perak Man and other prehistoric skeletons of Malaysia, USM Pub*,(2005) 3:91-102
43. Zuraina Majid, **A.R. Samsudin**, Nizam A. et. al. Niah 1977: A skeleton with bilateral absent radius. *The Perak Man and other prehistoric skeletons of Malaysia, USM Pub*, (2005) 12:207-228
44. Zuraina Majid, **A.R. Samsudin**, Nizam A. et.al. GTK1:A skeleton from Gua Telok Kelawar, Lenggong dated 8400 \pm 40bp *The Perak Man and other prehistoric skeletons of Malaysia, USM Pub*, (2005) 17:345-363
45. Fawwaz Shakir, Iskandar Zulkarnain and **A.R. Samsudin**. The effects of chemotherapeutic drugs on viability, apoptosis and surviving expression in MCF- 7 cells. *Acta Histochem. Cytochem.*(2005) 38(5):323-330
46. Wan Abdul Rahman, **A.R. Samsudin** et.al 3D CT Imaging for craniofacial analysis based on anatomical regions. *Proceedings of the 2005 IEEE Engineering in Medicine and Biology Society (EMBS) 27th. International Conference (2005) IEEE*
47. Rajion Z, Suwardhi D, Setan Halim, **Samsudin AR**, Chong Albert, Wan Abdul Rahman et.al. Coordinate systems integration for development of Malaysian craniofacial database. *Proceedings of the 2005 IEEE Engineering in Medicine and Biology Society (EMBS) 27th International Conference (2005) IEEE.*
48. Majid Zulkepli, Chong Albert, Setan Halim, Ahmad Annuar and **Samsudin AR**. Photogrammetry and 3D laser scanning as spatial data capture techniques for a national craniofacial database. *The Photogrammetric Record : International J of Photogrammetry* (2005) 20(109),46-68 ISSN 0031-868X.
49. Mimi Rahayu, Bassim Hameed, Mohd Roslee Othman, **AR Samsudin** and AH Suzina. Hydrothermal conversion of Malaysian sea coral into hydroxyapatite. *J. Solid St. Sci and Technol. Letters* (2005) Vol.12 No.1, 360-365.
50. K.A. Salihi, K.A. Al-Jashamy, S. Ab Rahman and **A.R. Samsudin**. Maxilla tuberosity malignant fibrous histiocytoma with giant fibroblastic cells: Case report and review of literature. *Oral Oncology Extra* (2006) 42(3), 115-122.

51. Erwan Sugianto, **A.R. Samsudin**, M.Fikri and W.Sosroseno. The effect of nitric oxide on the production of prostaglandin E2 by hydroxyapatite-stimulated human osteoblast (HOS) cell line. *Biomedicine & Pharmacotherapy* (2006) 60:147-151
52. Saeed M. Banabilah, **A.R. Samsudin** et.al. Dental arch shape and size in Malay school children with class II malocclusion. *Australian Orthodontic Journal* (2006) 22(2):99-103
53. Zainul A Rajion, Grant C Townsend, David J Netherway, David J David, Ahmad Sukari Halim, **A.R. Samsudin** et. al. The hyoid bone in Malay infants with cleft lip and palate. *Cleft Palate Craniofac. J.* (2006) 43(5):532-8.
54. Zainul A Rajion, Grant C Townsend, Ahmad Sukari Halim, **A.R. Samsudin** et. al. A three dimensional computed tomographic analysis of the cervical spine in unoperated infants with cleft lip and palate. *Cleft Palate Craniofacial J.* (2006) 43(5):513-8.
55. A. Nizam, RN. Gopal, L. Naing, AB Hakim, **A.R. Samsudin**. Dimensional accuracy of the skull models produced by rapid prototyping technology using stereolithography apparatus. *Archives of Orofacial Sciences* (2006) 1:60-66
56. SL Tan, B Belaton, ZA Rajion and **AR Samsudin**. Slice filtering for Fast Craniofacial Surface Reconstruction. *Archives of Orofacial Sciences* (2006); 1: 29-35
57. Saeed M. Banabilh, **A.R. Samsudin** et.al. Facial soft tissue features assessed with finite element analysis. *International J. of Orthodontics* (2006) 17(4):17-20
58. V.K. Gopinath, **A.R. Samsudin** et.al. Hydroxyapatite-induced phagocytic activity by murine macrophages in vitro. *American Journal of Biochemistry and Biotechnology* (2006) 2(3):85-88
59. V.K. Gopinath, **A.R. Samsudin** et.al. Role of protein kinase C in hydroxyapatite-induced phagocytosis by a murine macrophage cell line. *Immunopharmacology and Immunotoxicology*, (2006) 28:485-489
60. V.K. Gopinath, M.Musa, **AR Samsudin** and W Sosroseno. Role of interleukin-1beta and tumour necrosis factor-alpha on hydroxyapatite-induced phagocytosis by murine macrophages (RAW264.7 cells). *British Journal of Biomedical Science* (2006) 63(4) 1-3.
61. TP Kanan, BB Quah, A Azlina and **AR Samsudin**. Mitotic index and chromosomal analyses for hydroxyapatite implantation in rabbits. *Archives of Orofacial Sciences* (2006),1:15-20.

62. A. Baharuddin, **A.R. Samsudin** et.al. Surgical management of a massive facial Hemangioma. *Med. J Malaysia* (2007) 62:146-147
63. A. Baharuddin, **A.R. Samsudin** et.al. Aretriovenous malformation of the mandible: A rare but life threatening disease. *Malaysian J. Med.Sci.* (2007) 14:31-32
64. Rajan Saini, **A.R. Samsudin** et. al. Chondrosarcoma of the mandible: A case report. *Journal Canadian Dental Assoc* (2007) 73(2)175-178
65. Widowati Witjaksono, **A.R. Samsudin**, et.al. Sealing ability of hydroxyapatite as a root canal sealer: in vitro study *Dent. J (Maj. Ked. Gigi)* (2007) 40(3):101-105
66. Ali AQ, **AR Samsudin et.al.**, In vitro genotoxicity tests for polyhydroxybutyrate. *Toxicol. In Vitro* (2007) doi:1016/j.2007.08.001, 1-11
67. Tin-Oo MM, Gopalakrishnan V, **Samsudin AR**, Al-Salihi KA and Shamsuria O. Antibacterial property of locally produced hydroxyapatite. *Archives of Orofacial Sciences* (2007) 2:41-44 ISSN 1823-8602.
68. A. Baharudin, A Khairuddin, A Nizam and **A.R. Samsudin**. Evaluation of irradiated salivary gland function in patients with head and neck tumours treated with radiotherapy. *The Journal of Laryngology & Otology* (2008) doi:10.1017/ S0022215108002466.
69. Singh GD, Rozihan MH, Nidzam MTM, Sharmim AK, **Samsudin AR**, Suhaimi D. 3-D reconstruction of nasopharyngeal airways in Malaysian subjects. *IFMBE Proc.* (Eds) (2007) Vol.15 : 7-10 ISBN 978-3-540-68016-1.
70. Ghazali N, Zain RB, **Samsudin AR** and Abdul Rahman R. A 5-Year Survey of Oral and Maxillofacial Biopsies in Hospital Kota Bharu and Hospital Universiti Sains Malaysia, Kelantan: 1994-1998. *Malaysian Dental Journal* (2007) 28(2),83-91.
71. . Abdulaziz Q. Ali, Kannan TP, Azlina A, **Samsudin AR**. Genotoxicity test for polyhydroxybutyrate using mammalian chromosomal aberration test. *Yemeni J Medical Sciences*, 2007; 2(2): 1-8.
72. Wihaskoro S, Erwan S, **A.R. Samsudin**, Fikri Ibrahim. The role of nitric oxide on the proliferation of human osteoblast cell line stimulated with hydroxyapatite. *Journal of Oral Implantology* (2008) 34(4): 196-202. DOI:10.1563/0.910.1

73. Wihaskoro S, Erwan S, **A.R. Samsudin**, M. Fikri Ibrahim. The effect of nitric oxide on the production of cyclic AMP by a human osteoblast (HOS) cell line with hydroxyapatite. *Biomedicine & Pharmacotherapy* (2008); 62(5):328-32 DOI:10.1016/j.biopha.2007.10.003
74. Rahman RA, Ahmad A, **Samsudin A.R.** et.al. Transforming growth factor-alpha and nonsyndromic cleft lip with or without palate or cleft palate only in Kelantan, Malaysia. *Cleft Palate Craniofac J.* (2008) 45(6):583-6.
75. Masudi SM, Rub NA, **Samsudin AR** and Abdullah N. Oral orthopaedics for bilateral cleft palate infants. *J Maxillofacial & Oral Surgery* (2008) Vol.7(3):316-321
76. Aik Ming Leow, Ahmad Sukari Halim, **AR Samsudin.** Role of free tissue transfer following extirpation of advanced head and neck tumours. *Pak J Otolaryngology* (2008) 24(3):31-35.
77. MF Khamis, JA Taylor, **AR Samsudin**, GC Townsend. Variations in dental crown size in populations from Malaysian Peninsula. *International Journal of Dental Anthropology* (2008) ijda 00039.
78. Normastura AR, Mohd Khairi MD, Aziza Y, Nizam A, **Samsudin AR** and Naing L. Speech disorders in operated cleft lip and palate children in North east Malaysia. *Med. J Malaysia* (2008) 63(1):21-25 ISSN 0300-5283.
79. Najeeb Abu Rub, **Samsudin AR**, Burhanuddin A and Abdullah Nizam. Arch expansion in cleft lip and palate children: a comparison between rapid palatal expansion and quad helix expansion appliances. *Chin J Dent Res* (2008)11:2, 108-114
80. Shani A Mani, Lin Naing, Jacob John, **A.R. Samsudin.** Comparison of two methods of dental age estimation in 7-15-year old Malays. *Int. J. Paed. Dent.* (2008); 18(5):380-8.
81. Sam'an Masudi, Ali Kawi and **AR Samsudin.** Clinical and bone density study on coral coated dental implants with immediate placements. *Thai J. Oral & Maxillofacial Surg.* (2009) 22-2: 96-105.
82. Irfan Mohamad, Roselind A. Rahman and **AR Samsudin.** Enucleation of extraconal frontomucocele: A triple-window approach. *Int. Med. J.* (2009) (8)1: 1-7.
83. Baharudin Abdullah, S.Suzina, Nor Shamsuria Omar and **AR Samsudin.** The microscopic biological response of human chondrocytes to bovine bone scaffold. *Cell Tissue Bank* (2009) 10:205-213.
84. Banabilih SM, Suzina AH, Dinsuhaimi S, **Samsudin AR**, Singh GD. Craniofacial obesity in patients with obstructive apnea. *Sleep Breath* (2009) 13(1):19-24

85. Banabilih SM, Suzina AH, Dinsuhaimi S, **Samsudin AR**, Singh GD. Dental arch morphology in South-east Asian adults with obstructive sleep apnea : geometric morphometrics. *J. Oral Rehabilitation* (2009) 36(3):184-192.
86. Rosdan Salim, Afiza Izura Sofi, Mohd Khairi Mohd Daud, Karima Al-Salihi, **AR Samsudin**. Coral Bone-Graft Substitute in Rabbit Mandible Defect Model : Macroscopic and Scanning Electron Microscopy Studies. *Int. Med. J.* (2009) 16(3):217-220.
87. Erwan Sugianto, **A.R. Samsudin**, Wihaskoro Sosroseno. Effect of exogenous nitric oxide on the proliferation of a human osteoblast (HOS) cell line induced by hydroxyapatite. *Journal of applied biomaterials & biomechanics (JABB)*. (2009);7(1):29-33.
88. Saeed M. Banabilih, AH Suzina, Hazama Mohamad, Sidek Dinsuhaimi, **AR Samsudin**, GD Singh. Assessment of 3-D nasal airway morphology in Southeast Asian adults with obstructive sleep apnea using acoustic rhinometry. *Clinical Oral Investigations* (2010); 14(5)491-8.
89. Banabilih SM, **Samsudin AR**, Suzina AH, Dinsuhaimi S. Facial profile shape, malocclusion and palatal morphology in Malay obstructive sleep apnea patients. *Angle Orthod* (2010) 80(1):37-42
90. Rosdan Salim, Nik Adilah Nik Othman, Mohd Khairi Md Daud, **AR Samsudin**, Din Suhaimi Sidek, Hasnan Jaafar. Onlay Augmentation: A comparative study between bovine xenogeneic graft and allogeneic graft on the calvarium of rat model. *Int. Med. J.* (2010) 17(2) : 147-151.
91. Ali Abdul Kawi Taher, **A.R. Samsudin**. Clinical and radiological study of immediate placement of coral coated dental implants. *Med. J. Malaysia* (2010); 17:3,110-115. ISSN 1394-195X
92. Osama Bahaa Mohammed, **A.R. Samsudin** and Rozita Hassan. Computerized Tomography of Upper Airway in Adults with Obstructive Sleep Apnea : Preliminary Study. *International Medical Journal* (2010) 17(1), 53-56.
93. Osama B., **A.R. Samsudin** and Rozita Hassan. Craniofacial Morphology of Malay Patients With Obstructive Sleep Apnoea. *The European Journal of Orthodontics*. (2010) 33(5):509-14. DOI: 10.1093/ejo/cjq108
94. Norshamsuria Omar, TP Kanan, Abdul Rashid Ismail, Siti Fadilah Abdullah, **A.R. Samsudin** and S.A.H. Suzina. In Vitro Cytotoxic Evaluation of Processed Natural Coral in Human Osteoblast. *International Journal of Toxicology* (2011) 30(4):443-451 DOI: 10.1177/1091581811399474, <http://ijt.sagepub.com/content/30/4/443>

95. Nor Shamsuria Omar, TP Kannan, Abdul Rashid Ismail, Suzina Sheikh Abdul Hamid and **A.R. Samsudin**. In Vitro Cytotoxic Evaluation of Processed Natural Coral on Human Lung Fibroblasts. *Journal of US-China Medical Science*. 2011; 8(4): 205-210
96. Ahmad Azlina, Berahim Zurairah, Sidek Mohamad Ros, Mokhar Khairani Idah, **A.R. Samsudin**. Extraction of Mitochondrial DNA from Tooth Dentin ; application of two techniques. *Archives of Orofacial Sciences* (2011) 6(1):9-14.
97. Zainul A. Rajion, Ali R.A. Al-Khatib, **A.R. Samsudin**. The nasopharynx in infants with cleft lip and palate. *International Journal of Pediatric Otorhinolaryngology* (2012) 76:227-234.
98. H.E. Hamid, A. Azlina, MF Khamis, RA Rahman, NH Abdul Razak, SS Mutum and **A.R. Samsudin**. Effect of Biphasic Calcium Phosphate Treated with Vascular Endothelial Growth Factor on Osteogenesis and Angiogenesis Gene Expression In Vitro (2013) The 15th International Conference on Biomedical Engineering, IFMBE Proceedings 43, DOI:10.10079/978-3-319-02913-9_61; 239-242 Springer International Publishing Switzerland
99. T.P. Kanan, N Ahmad Shah, A Ahmad, SF Ramli, Narazah M Yusoff and **AR Samsudin**. Genotoxic evaluation of synthetic hydroxyapatite using mammalian bone marrow chromosome aberration test. *Arch Orofac Sci* (2014),9(1):1-7
100. Hamid H. Enezei, Azlina A, Khamis MF, Rahman RA, Abdul Razak NH, Mutum SS and **Samsudin AR**. Effect of Local Implantation of Composite Biomaterial Loaded with Vascular Endothelial Growth Factor in Healing of Critical-Sized Mandibular Defect – A Pilot Study. *J Dent Oral Disord Ther* (2014) 2(2),1-5.
101. Hashim H, **Samsudin AR**. Do symptoms of obstructive sleep apnea syndrome exist in highly trained Malay security personnel? *Oral Health and Dental management* (2014), 13(2):336-340.
102. Hazel Muhammad, **Ab. Rani Samsudin**, Noor Hayati Abdul Razak, Mohd Shafie Abdullah, Abdullah Pohchi, Shaifuizan Abdul Rahman, Ramizu Shaari, Roselinda Ab. Rahman, Marzuki Omar, Mohammad Khursheed Alam. Massive Arteriovenous Malformation: The HUSM Experience. *International Medical Journal*. (2014); 21(4):416-420.
103. Tengku Shaeran TA, Mohamad MSF, Purnal K, Pochi A and **Samsudin AR**. Oral Biphosphonate and Orthognathic Surgery. A Case Report and literature Review. *International Medical Journal* (2014); 21 (4): 424-427.

- 104.** Wan Nazatul Shima, Abdul Manaf Ali, Tamilselvan Subramani, Banu Mohamed Alitheen, Muhajir Hamid, **A.R. Samsudin**, Swee Keong Yeap. Rapid growth and osteogenic differentiation of mesenchymal stem cells isolated from human bone marrow. *Experimental and Therapeutic Medicine* (2015); 9(6) 2202-2206; DOI:10.3892/etm.2015.2381.
- 105.** N. Abdullah, Kausar Sadia Fakhruddin, and **A.R. Samsudin**. Congenital Insensitivity to Pain without Anhidrosis: Orodental Problems and Management. *Case Reports In Dentistry* (2015), Article ID 179892, <http://dx.doi.org/10.1155/2015/179892>
- 106.** Vellore Kannan Gopinath, **Ab Rani Samsudin**, Siti Noor Fazliah Mohd Noor, Hady Youssef Mohamed Sharab. Facial profile and maxillary arch dimensions in unilateral cleft lip and palate children in the mixed dentition stage (2017) *European Journal of Dentistry*, Volume 11 / Issue 1 / January-March , IP: 194.170.95.210
- 107.** Qabbani AA, Razak NH, Kawas SA, Sheikh Abdul Hamid S, Wahbi S, **Samsudin AR**. Efficacy of Immediate Implant Placement in Extraction Socket for Alveolar Bone Preservation: A Clinical Evaluation Using Three-Dimensional Cone Beam Computerized Tomography and Resonance Frequency Analysis Value. *J Craniofac Surg*(2017) Feb22.doi:10.1097/scs
- 108.** Hasan Hayder A, AbuOdeh Ra'ed O, MudaWan Abdul Manan Bin Wan, Mohamed Hamid Jan Bin Jan, **Samsudin AR**. Association of Vitamin D Receptor gene polymorphisms with metabolic syndrome and its components among adult Arabs from the United Arab Emirates. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews* (2017) <http://dx.doi.org/10.1016/j.dsx.2017.03.047>