Curriculum Vitae

Name	: Ahmad Hamim Sadewa, MD, PhD
Place of birth	: Yogyakarta
Date of birth	: June 23, 1970
Office address	: Department of Biochemistry, Faculty of Medicine Universitas Gadjah Mada, Jl. Kesehatan, Sekip Utara, Yogyakarta 55281 INDONESIA
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Qualification:

1988-1995: Medical Doctor
2000-2001: Research Student in *Molecular Genetics* at Kobe University School of Medicine, Japan (*non degree*)
2001-2005: PhD in *Molecular Genetics* at Kobe University Graduate School of Medicine, Japan.
2005-2006: Visiting Researcher in Department of Molecular Epidemiology, Faculty of Medicine, Kobe University

Research experience and interest:

2000-2001: Polymorphism study of estrogen receptor gene in osteoporotic women
2001-2003: Mutation and polymorphism study of MTHFR gene in encephalocele patients
2003-2005: Mutation study of potassium channel gene in epilepsy patients
Deletion test of SMN1 and SMN2 genes in SMA patients
Molecular analysis of ED1 gene in hypohidrotic patients
2005-2006: Splicing modification of SMN gene in muscular atrophy
2005-2009: Genetic susceptibility of nephropathy diabetics, diabetes with hypertension and DM type 2 among Javanese
2007-2009 : Mutation and polymorphism analysis of patients with Hirschsprung Disease
2008-2009 : Renal Tubular Acidosis among ovalocytosis
2008- 2010 : Genetic risk factor of essential hypertension
2010-2011 : Genetic susceptibility of retinopathy diabetics
2011-2012 : Genetic susceptibility of hypothyroid and anemia
2012-2013 : Genetic of G6PD and Malaria
2013-2014 : Genetic of Nephrotic Syndrome
Genetic of Stroke
The role of nutrient on gene expression
2014-2015 : Nutrigenomik

Position:

1. 1997 - now : Lecturer at Faculty of Medicine Universitas Gadjah Mada
2. 2014 – now : Chairman of Department of Biochemistry, FM UGM
3. 2013 – now : Member of Medical and Health Ethical Review Committee (MHERC), Faculty of Medicine Universitas Gadjah Mada
4. 2008 - now : Secretary of Master Program of Biomedical Science, Faculty of Medicine Universitas Gadjah Mada
5. 2009 - 2012 : Research Manager, Faculty of Medicine Universitas Gadjah Mada

Ahmad Hamim Sadewa's Publications

International Publication

1. Widowati T, Melhem S, Patria SY, de Graaf BM, Sinke RJ, Viel M, Dijkhuis J, **Sadewa AH**, Purwohardjono R, Soenarto Y, Hofstra RM, Sribudiani Y. RET and EDNRB mutation screening in patients with Hirschsprung disease: Functional studies and its implications for genetic counseling. Eur J Hum Genet. 2015; doi:10.1038/ejhg.2015.214.
2. Makhmudi A, **Sadewa AH**, Aryandono T, Chatterjee S, Heij HA, Gunadi. Effects of MTHFR c.677C>T, F2 c.20210G>A and F5 Leiden Polymorphisms in Gastroschisis. J Invest Surg. 2015; 16:1-5.
3. Trisnowati N, Soebono H, **Sadewa AH**, Kunisada M, Yogianti F, Nishigori C. A novel filaggrin gene mutation 7487delC in an Indonesian (Javanese) patient with atopic dermatitis. Int J Dermatol. 2015; DOI: 10.1111/ijd.13016.
4. Sa'adah N, Harahap NI, Nurputra DK, Rochmah MA, Morikawa S, Nishimura N, **Sadewa AH**, Astuti I, Haryana SM, Saito T, Saito K, Nishio H. A Rapid, Accurate and Simple Screening Method for Spinal Muscular Atrophy: High-Resolution Melting Analysis Using Dried Blood Spots on Filter Paper. Clin Lab. 2015;61(5-6):575-80.
5. Thursina C, Ar Rochmah M, Nurputra DK, Harahap IS, Harahap NI, Sa'Adah N, Wibowo S, Sutarni S, **Sadewa AH**, Nishimura N, Mandai T, Iijima K, Nishio H, Kitayama S. Attention Deficit/Hyperactivity Disorder (ADHD): age related change of completion time and error rates of Stroop test. Kobe J Med Sci. 2015; 61(1):E19-26.
6. Kato N, Sa'Adah N, Ar Rochmah M, Harahap NI, Nurputra DK, Sato H, **Sadewa AH**, Astuti I, Haryana SM, Saito T, Saito K, Nishimura N, Nishio H, Takeuchi A. SMA screening system using dried blood spots on filter paper: application of COP-PCR to the SMN1 deletion test. Kobe J Med Sci. 2015; 60(4):E78-85.
7. Raden Sunita, **Ahmad Hamim Sadewa**, Arta Farmawati. Lower HOMA-β values are detected among individuals with variant of E23K polymorphism of potassium inwardly-rectifying channel, subfamily J, member 11 (KCNJ11) gene. Egyptian Journal of Medical Human Genetics, 2015;16(3): 227-231.
8. Ritarwan K, Amir D, Sembiring RJ, **Sadewa AH**, Lelo A. Polymorphism Beta-Fibrinogen Gene -455 G TO A in Ischemic Stroke : Associated with Barthel Index. Ind J Med Res Pharma Sci 2014 (1) 4 : 10-14.
9. Ramayani OR, Sekarwana N, Trihono PP, **Sadewa AH**, Lelo A. Increased Serum Macrophage Migration Inhibitory Factor (MIF) Concentrations as Potential Risk

Factors in Steroid-Resistant Nephrotic Syndrome. J Nephrol Ther 2013; 3:142. doi: 10.4172/2161-0959.1000142

10. Bawazier LA, Sja'bani M, Haryana SM, Soesatyo MH, **Sadewa AH**. Relationship of angiotensin converting enzyme gene polymorphism and hypertension in Yogyakarta, Indonesia. Acta Med Indones 2010 Oct;42(4):192-8.
11. **Sadewa AH**, Sasongko TH, Gunadi, Lee MJ, Daikoku K, Yamamoto A, Yamasaki T, Tanaka S, Matsuo M, Nishio H. Germ-line mutation of KCNQ2, p.R213W, in a Japanese family with benign familial neonatal convulsion. Pediatr Int. 2008 Apr;50(2):167-71.
12. Sasongko TH, **Sadewa AH**, Gunadi, Lee MJ, Koterazawa K, Nishio H. Nonsense mutations of the ZFHX1B gene in two Japanese girls with Mowat-Wilson syndrome. Kobe J Med Sci. 2007;53(4):157-62.
13. Kotani T, Sutomo R, Sasongko TH, **Sadewa AH**, Gunadi, Minato T, Fujii E, Endo S, Lee MJ, Ayaki H, Harada Y, Matsuo M, Nishio H.A novel mutation at the N-terminal of SMN Tudor domain inhibits its interaction with target proteins. J Neurol. 2007 May;254(5):624-30.
14. **Sadewa AH**, Harada Y, Sasongko TH, Matsuo M, Nishio H. C117T variant in the SMN1 gene found in the Japanese population. Pediatr Int. 2007 Feb;49(1):8-10.
15. Wada K, Takeuchi A, Saiki K, Sutomo R, Van Rostenberghe H, Yusoff NM, Laosombat V, **Sadewa AH**, Talib NA, Yusoff S, Lee MJ, Ayaki H, Nakamura H, Matsuo M, Nishio H. Evaluation of mutation effects on UGT1A1 activity toward 17beta-estradiol using liquid chromatography-tandem mass spectrometry. J Chromatogr B Analyt Technol Biomed Life Sci. 2006 Jun 21;838(1):9-14.
16. Goji K, Ozaki K, **Sadewa AH,** Nishio H, Matsuo M. Somatic and germline mosaicism for a mutation of the PHEX gene can lead to genetic transmission of X-linked hypophosphatemic rickets that mimics an autosomal dominant trait. J Clin Endocrinol Metab. 2006 Feb;91(2):365-70.
17. Sasongko TH, **Sadewa AH**, Kusuma PA, Damanik MP, Lee MJ, Ayaki H, Nozu K, Goto A, Matsuo M, Nishio H. ACE gene polymorphism in children with nephrotic syndrome in the Indonesian population. Kobe J Med Sci. 2005;51(3-4):41-7.
18. Wada K, Nishio H, **Sadewa AH**, Nishimoto K, Suminaga R, Hase M, Ishida A, Hisano K.Double fetus-in-fetu: a case report with three-dimensional computed tomography findings. Pediatr Int. 2005 Oct;47(5):598-600.
19. **Sadewa AH**, Sutomo R, Istiadjid M, Nishiyama K, Shirakawa T, Matsuo M, Nishio H. C677T mutation in the MTHFR gene was not found in patients with frontoethmoidal encephalocele in East Java, Indonesia. Pediatr Int. 2004 Aug;46(4):409-14.
20. Sutomo R, Talib NA, Yusoff NM, Van Rostenberghe H, **Sadewa AH**, Sunarti, Sofro AS, Yokoyama N, Lee MJ, Matsuo M, Nishio H. Screening for G71R mutation of the UGT1A1 gene in the Javanese-Indonesian and Malay-Malaysian populations. Pediatr Int. 2004 Oct;46(5):565-9.
21. Nguyen DB, **Sadewa AH**, Takeshima Y, Sutomo R, Tran VK, Nguyen TN, Nguyen TH, Vu CD, Dang DH, Harada Y, Nishio H, Matsuo M Deletion of the SMN1 and NAIP genes in Vietnamese patients with spinal muscular atrophy. Kobe J Med Sci. 2003;49(3-4):55-8.

22. Sutomo R, Akutsu T, Takeshima Y, Nishio H, **Sadewa AH**, Harada Y, Matsuo M.Rapid SMN1 deletion test using DHPLC to screen patients with spinal muscular atrophy. Am J Med Genet. 2002 Nov 22;113(2):225-6.
23. Harada Y, Sutomo R, **Sadewa AH**, Akutsu T, Takeshima Y, Wada H, Matsuo M, Nishio H. Correlation between SMN2 copy number and clinical phenotype of spinal muscular atrophy: three SMN2 copies fail to rescue some patients from the disease severity. J Neurol. 2002 Sep;249(9):1211-9.
24. **Sadewa AH,** Sunarti, Sutomo R, Hayashi C, Lee MJ, Ayaki H, Sofro AS, Matsuo M, Nishio H. The C677T mutation in the methylenetetrahydrofolate reductase gene among the Indonesian Javanese population. Kobe J Med Sci. 2002 Dec;48(5-6):137-44.
25. **Sadewa AH**, Miyabe Y, Nishio H, Hayashi C, Sutomo R, Lee MJ, Ayaki H, Koizumi N, Sumino K. No relationship exists between itai-itai disease and TA repeat polymorphisms of the estrogen receptor alpha gene. Arch Toxicol. 2002 Aug;76(8):467-9. Epub 2002 May 29.
26. Sutomo R, Laosombat V, **Sadewa AH**, Yokoyama N, Nakamura H, Matsuo M, Nishio H. Novel missense mutation of the UGT1A1 gene in Thai siblings with Gilbert's syndrome. Pediatr Int. 2002 Aug;44(4):427-32.

National Publication

27. Hastuti P, Sofro ASM, Asdie HA, **Sadewa AH**. Genetic variation of apolipoprotein E (apoE) in Surabaya, Palu and Alor populations of Indonesia. Ind J Biotech 2011; 16(2).
28. Hutajulu P, Dasuki D, **Sadewa AH**, Utoro T. A Novel Variant of HOXA10 gene, Ser19Cys, among Patients with Endometriosis and its Relationship with the Severity of the Disease. Ind J Biotech 2013; 18(1) : 31-41.
29. Hastuti P, Sofro ASM, Asdie AH, Sadewa AH. Apolipoprotein E as Risk Factor for Coronary Heart Disease. Ind J Biotech 2013; 18(1) : 42-51.
30. Bawazier LA, Sja'bani M, Haryana SM, Soesatyo MH, **Sadewa AH.** The Relationship Between Endothelin-1 and Hypertension on Mlati Population, Sleman, Yogyakarta, Indonesia. J Indon Med Assoc. 2011; 61 (6) : 237-242.
31. Saryono, Rochadi, Lestariana W, Artama WT, **Sadewa AH.** RET single nucleotide polymorphism in Indonesians with sporadic Hirschsprung's disease. Univ Med. 2010; 29 (2)
32. Saryono, Rochadi, Lestariana W, Artama WT, **Sadewa AH.** Highers G allele frequency of RET C2307T>G polymorphism in female patients with Hirschsprung Disease in Yogyakarta, Indonesia. Ped Indonesiana. 2008
33. Yoshuantari N, **Sadewa AH**, Sunarti. Relation between beta-caroten and ferritin upon malondialdehyde in Javanese male smoker. J Med Sci. 2011; 43 (1) : 38-42.
34. Cahyono JA, **Sadewa AH**, Tasmini. Aldose reductase genetic polymorphism is a risk factor of retinopathy diabetic among type 2 diabetes mellitus in Yogyakarta, Indonesia. J Med Sci. 2011; 43 (2) : 57-63.
35. Icanervilla AV, Sunarti, **Sadewa AH**. The relationship between vitamin A and ferritin towards malondialdehyde level among Javanese male smokers. J Med Sci. 2012; 44 (1) : 92-98.

36. Hernayanti, **Sadewa AH**, Hariono B. Effect of green tea extract on malondialdehyde, nitric oxide and gluthation peroxidase activity on blood rats exposure with plumbum. Biota. 2012; 17 (1)
37. Maay JKR, **Sadewa AH**, Madiyan M. Polymorphism of vascular endothelial growth factor (VEGF) gene insertion/deletion -2549 is a risk factor of diabetic retinopathy in Javanese patients with type 2 diabetes. J Med Sci. 2012; 44 (2) : 239-248.