



Assistant Professor, Dr.

Naphatsanan DUANSAK

ผศ.ดร.นภัสนันท์ เดือนศักดิ์

CURRICULUM VITAE

EDUCATION

Ph.D. in Physiology
Chulalongkorn University, Thailand

Postdoctoral fellow (Bioengineering)
University of California, San Diego, USA

M.Sc. in Physiology
Chulalongkorn University, Thailand

RESEARCH INTERESTS

- Microcirculation
- Endothelial cell dysfunction
- Hypertension

PUBLICATIONS

► Research publications

1. Patumraj S, Duansak D, Jariyapongskul S, et al. Effects of aloe vera in management of second degree burn wound: The evidence from microcirculatory study. Proceedings of 7th World Congress for Microcirculation published by the Australian and New Zealand Microcirculation Society. Symposium 13-5 [abstract], 2001.
2. Duansak D, Somboonwong J, Patumraj S. Effects of Aloe vera on leukocyte adhesion and TNF-alpha and IL-6 levels in burn wounded rats. Clin Hemorheol Microcirc 2003; 29(3-4):239-246.
3. Somboonwong J, Duansak N. The therapeutic efficacy and properties of topical Aloe Vera in thermal burns. J Med Assoc Thai. 2004 Oct;87 Suppl 4:S69-78.
4. Duansak N, Bhattarakosol P, Wirachwong P, Patumraj S. Hypoxia-inducible factor-1a (HIF-1a) expression and CD in hepatocellular carcinoma cell (HepG2) implanted in nude mice. Journal of Vascular Research 2006; 73-73 (Suppl.1).
5. Duansak N, Yoysungnoen P, Somchaichana J, Bhattarakosol P, Wirachwong P, Patumraj S. Correlation between hypoxia-inducible factor and vascular endothelial growth factor expression under tumor neovascularization in hepatocellular carcinoma cell-implanted nude mice. Asian Biomedicine 2007; 399-406.
6. Duansak N. Shear stress and reactive oxygen species. MED TU FORUM 2009. Changes: New Trends in medicine.60-67.

► Research publications (continue)

7. Duansak N, Schmid-Schonbein GW. Microvascular levels of transcription factor c-fos in spontaneously hypertensive rat. The 8th Asian Congress for Microcirculation, Bangkok, Thailand, October 26-28, 2011: P.121. (Abstract)
8. Duansak N, Chatpun S. Intravital microscopy in a dorsal skinfold chamber: hemodynamics, tumor angiogenesis and inflammation. International Journal of Biomedical Research 2013; 4(2):65-74.
9. Duansak N, Schmid-Schönbein GW. The oxygen free radicals control MMP-9 and transcription factors expression in the spontaneously hypertensive rat. Microvasc Res. 2013; 90:154-61.

HONORS AND AWARDS

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| 2011 | Sponsor Award. The 8th Asian Congress for Microcirculation, 2011. Bangkok, Thailand |
| 2004 | Poster Presentation Award. The 33rd Annual Meeting of the Physiological Society of Thailand, 2004. Rayong, Thailand |
| 2003 | Young Investigator Award. The 5th Asian Congress for Microcirculation, 2003. Manila, Philippines. |