

## R-26. Porphyromonas gingivalis에 감염된 치주염과 동맥경화증 환자의 열충격 단백질의 대한 면역반응

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Heat shock protein has been widely thought that this protein might be involved in autoimmune disease mechanisms in humans.

The present study was performed to evaluate the recognition of *P. gingivalis* heat shock protein(hsp) 60 and human hsp 60 by immune sera in *P. gingivalis*-infected periodontitis and atherosclerosis patients. Western immunoblot analysis demonstrated the dual reactivity of anti-*P. gingivalis* antisera with *P. gingivalis* hsp and human hsp suggesting the modulating effect of *P. gingivalis* hsp60 in the immunopathogenesis of periodontitis and atherosclerosis.