Nephrology

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Major Scientific Interests of the Group

Major purpose of our research is acting to decrease the number of patients with end-stage kidney failure using both clinical and biological procedures. Through some research activities, we set out to develop a physician scientist enable to lead nephrology medical research on the cutting edge.

Projects for Regular Students in Doctoral or Master's Programs

1) Intervention, epidemiological cohort study for patients with chronic kidney disease
2) Biological analysis for molecular mechanism of glomerular disease focusing transcription factor, development, aging and inflammation process

Study Programs for Short Stay Students (one week – one trimester)

1) Statistics of clinical data set
2) Immunohistochemical staining of kidney tissue (immunofluorescence and immunoenzymatic technique) including antigen retrieval, optimization of staining, and evaluation of specificity

Selected Publications

1) Yamagata K et al. Effect of behavior modification on outcome in early- to moderate-stage chronic kidney disease: a cluster-randomized trial. PLoS One 2016; 11(3): e0151422
2) Yamagata K el al. Histopathological classification of anti-neutrophil cytoplasmic antibody-associated glomerulonephritis in a nationwide Japanese prospective 2-year follow-up cohort study. Clin Exp Nephrol 2019; 23(3): 387-394
3) Morito N, Yamagata K, et al. Overexpression of Mafb in podocytes protects against diabetic nephropathy. J Am Soc Nephrol 2014; 25(11): 2546-2557
4) Nagai K, Yamagata K et al. Involvement of pentraxin-3 in anti-neutrophil cytoplasmic antibody production induced by aluminum salt adjudvant. Clin Exp Rheumatol 2017; 35(5): 735-738