

Department of Internal Medicine

Division of General Medicine

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Research Activities

Division of General Medicine, The Jikei University Hospital

We are attempting to compile a database of our medical examinations and treatments during primary care in outpatient units. The data and information of every outpatient are collected from forms of our own design after being filled out by physicians. The data and information include reason for visiting, symptoms and complaints, whether the patient had consulted other physicians, the primary diagnosis, examinations, and care. The data we compile, especially from initial visits, are expected to be useful for analyzing trends in primary care at large general hospitals.

Division of General Medicine, The Jikei University Katsushika Medical Center

We investigated the biological and molecular factors affecting the honeymoon period in Japanese patients with adult-onset type 1 diabetes. The insulin secretory capacity, lipid profile, and insulin dose requirement were identified as factors potentially affecting the occurrence of the honeymoon period. We presented several case reports associated with endocrine diseases: pituitary, adrenal, and parathyroid disease.

Division of General Medicine, The Jikei University Daisan Hospital

1. Study of nutritional support in elderly patients

We studied nutrition support in elderly patients. We found that the consumption of fewer calories and fluids improves outcomes and reduces the pain of elderly patients.

2. Study of polymyalgia rheumatica

We found that high levels of C-reactive protein and matrix metalloproteinase 3 at the start of steroid therapy and a slow decrease in matrix metalloproteinase 3 during therapy are associated with a high frequency of relapse. In such cases, we administer methotrexate, but improvement is difficult to achieve in many cases.

3. Study of hyponatremia in elderly patients

Hyponatremia is a frequent electrolyte disorder in elderly patients. We found that inflammation and mental stress readily cause the nonosmotic secretion of antidiuretic hormone and hyponatremia in elderly patients.

4. Study of procalcitonin

A high level of procalcitonin suggests sepsis-induced bacterial infection. However, we must remember that several noninfectious diseases causes cytokine storm and high levels of procalcitonin.

Division of General Medicine, The Jikei University Kashiwa Hospital

Our research works consist of 2 parts. The first is to investigate the role of general medicine on environmental health achievements in regional areas, especially in Kashiwa City. The second part is to develop educational tasks for teaching medical students and junior physicians.

Publications

Hosoya T, Kuriyama S, Ohno I, Kawamura T, Ogura M, Ikeda M, Ishikawa M, Hayashi F, Kanai T, Tomonari H, Soejima M, Akaba K, Tokudome G, Endo S, Fukui A, Gomi H, Hamaguchi A, Hanaoka K, Hara Y, Hara Y, Hasegawa T, Hayakawa H, Hikida M, Hirano K, Horiguchi M, Hosoya M, Ichida K, Imai T, Ishii T, Ishikawa H, Kameda C, Kasai T, Kobayashi A, Kobayashi H, Kurashige M, Kusama Y, Maezawa H, Maezawa Y, Maruyama Y, Matsuda H, Matsuo N, Matsuo T, Miura Y, Miyajima M, Miyakawa M, Miyazaki Y, Mizuguchi M, Nakao M, Nokano H, Ohkido I, Ohtsuka Y, Okada K, Okamoto H, Okonogi H, Saikawa H, Saito H, Sekiguchi C, Suetsugu Y, Sugano N, Suzuki T, Suzuki T, Takahashi H, Takahashi Y, Takamizawa S, Takane K, Morita

T, Takazoe K, Tanaka H, Tanaka S, Terawaki H, Toyoshima R, Tsuboi N, Udagawa T, Ueda H, Ueda Y, Uetake M, Unemura S, Utsunomiya M, Utsunomiya Y, Yamada T, Yamada Y, Yamaguchi Y, Yamamoto H, Yokoo T, Yokoyama K, Yonezawa H, Yoshida H, Yoshida M, Yoshizawa T. Antihypertensive effect of a fixed-dose combination of losartan/hydrochlorothiazide in patients with uncontrolled hypertension: a multicenter study. *Clin Exp Nephrol.* 2012; **16**: 269-78.

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