

第25回 浜松医科大学第一内科同門会 特別講演のご案内

「観察からの神経学」

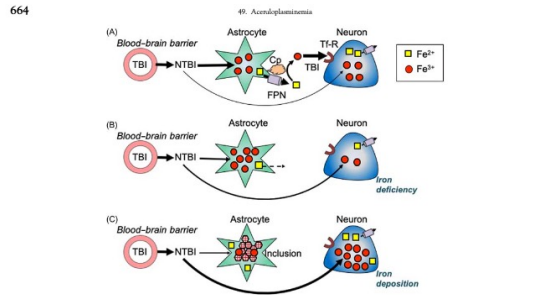
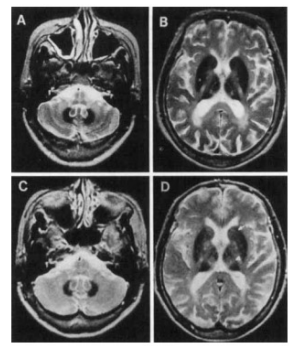
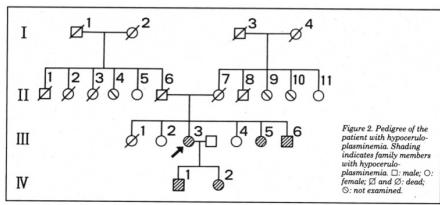


Fig 2 Effect of desferrioxamine on brain MRI from two specific regions before (A, B) and after (C, D) treatment (1.5 T, spin echo 2500/80). T2-weighted MRI after treatment showed an increase in the signal intensity in the striatum (arrow) and thalamus (arrowhead), in which pronounced signal decrease was shown before treatment.

FIGURE 49.4 A model of the iron metabolic cycle in the brain. In the normal brain (A), iron may be recycled between astrocytes and neurons. Transferrin acts as a shuttle to deliver iron from astrocytes to neurons. The GPI-linked ceruloplasmin on astrocytes is a ferroxidase that mediates the oxidation of ferrous iron and its subsequent transfer to transferrin. Neurons take up the transferrin-bound iron and also take up iron from alternative sources (NTBI). Hephaestin also plays a role as a ferroxidase and interacts with neuronal ferroportin. In the brain of a patient with aceruloplasminemia, neuronal cell loss may result from iron deficiency in regions where the iron in astrocytes cannot be mobilized for the uptake into neurons in the early stage of the disease (B). Iron accumulation is subsequently observed in neurons as well as astrocytes, since neurons take up iron from NTBI, not from transferrin, in the late stage of the disease (C), because astrocytes without GPI-linked ceruloplasmin cannot transport iron to transferrin. Cp, Ceruloplasmin; FPN, iron transporter of ferroportin; GPI, glycosylphosphatidylinositol; NTBI, nontransferrin-bound iron; TBI, transferrin-bound iron; TfR, transferrin receptor 1.

Rosenberg's Molecular and Genetic Basis of Neurological and Psychiatric Disease 6th edition. 2020

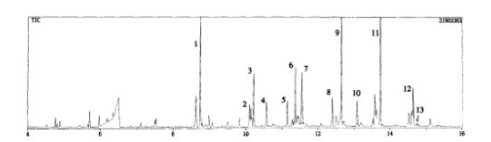
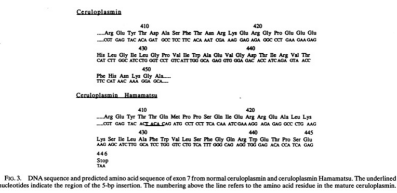


Figure 2. The patient's urine organic acid profile 2 days after rhabdomyolysis. The peaks are trimethylsilyl derivatives of the following acids: 1=adipic acid; 2=Δ³-suberic acid; 3=suberic acid; 4=cis-aconitic acid; 5=citric acid; 6=Δ³-subic acid; 7=ulcric acid; 8=the internal standard 2, 3-hydroxyisovaleric acid; 9=3-hydroxyphenylacetic acid; 10=the internal standard 11, n-heptadecanoic acid; 11=3-hydroxydodecanedioic acid; 12=3-hydroxytridecanedioic acid; 13=3-hydroxytetradecanedioic acid.

Proc Natl Acad Sci U S A 1995

N Engl J Med 2009



浜松医科大学 名誉教授
宮嶋 裕明 先生

2021年7月17日(土) 16:00～17:30

講演場所：浜松医科大学 医工連携拠点棟3階 中・大会議室

開催形式：Zoomでご聴講下さい (事前参加登録は不要です)

<https://zoom.us/j/93934079089?pwd=RWxldXdXYjIjQVTh3RihYeJZd3U0QT09>

ID：939 3407 9089 パスコード：406046

講演場所でのご聴講も可能ですが、人数制限を設けております。
来場を希望される先生は事前に安田/細井までお問い合わせ下さい。

お問い合わせ：浜松医科大学 内科学第一講座 安田日出夫

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キャンパスマップ Campus Map

南

研究棟

病院

東

西

スター
ボックス

医工連携拠点棟

施設名称

① 管理棟	Headquarters Building
② 講義実習棟	Educational Building
③ 福祉施設棟	Welfare Facilities
④ 附属図書館	University Library
⑤ 基礎臨床研究棟	Basic and Clinical Research Building
⑥ 医工連携拠点棟	Innovative Medical Collaboration Building
⑦ 看護学科棟	Nursing Faculty Building
⑧ 総合人間科学・基礎研究棟	Integrated Human Sciences & Basic Research Building
⑨ 臨床講義棟	Clinical Lecture Building

⑩ 附属病院棟 (外来棟)	Outpatient Clinic, University Hospital
⑪ 附属病院棟 (病棟)	Hospital Ward, University Hospital
⑫ PET-CT棟	PET-CT Facilities
⑬ 探索的臨床研究施設	Translational Research Center
⑭ 病院福祉施設 (杏林スマイルテラス)	Hospital Welfare Facilities
⑮ フォトン研究棟	Photon Research Building
⑯ サイクロترون棟	Cyclotron Facilities
⑰ RI動物実験施設	RI Experimental Animals Institute
⑱ 医療廃棄物処理センター	Center for Medical Waste Management
⑲ 国際交流会館	International Residence
⑳ 医大宿舎	University Residence
㉑ 医大舟岡山宿舎	Funaokayama University Residence
㉒ 医大半田山宿舎	Handayama University Residence
㉓ 職員宿舎 (アプリコットヴィレッジ)	Staff Residence

㉔ 体育館	Gymnasium
㉕ 武道館	Martial Arts Hall
㉖ 弓道場	Kyudo Ground
㉗ プール	Swimming Pool
㉘ テニスコート	Tennis Court
㉙ サッカー・ラグビーグラウンド	Soccer/Rugby Ground
㉚ 野球場	Baseball Ground
㉛ 半田山会館	Handayama Hall
㉜ 慰霊塔	Cenotaph