

脳神経内科学講座

【研究プロジェクト名および概要】

- I. アミロイドーシスの病態解析と治療法の開発
- I-1. 遺伝性トランスサイレチンアミロイドーシスのアミロイド沈着機構の解析と治療法開発に関する研究
 - I-2. アミロイドーシス全般の診断法の確立と病態解析
 - I-3. 野生型トランスサイレチンアミロイドーシスの病態解析
 - I-4. 質量分析法によるアミロイドーシス病型診断法の開発
 - I-5. 新規アミロイドーシスの病態解析
 - I-6. アルツハイマー病、脳アミロイドアンギオパチーの病態解析
- II. 脳血管障害の病態解析と治療法開発
- II-1. CADASIL 並びに遺伝性脳小血管病の実態調査、診断、病態解析に関する研究
 - II-2. 脳血管障害の MRI/CT・神経超音波・SPECT を用いた臨床解析並びに超急性期治療に関する研究
 - II-3. Drip and ship システムによる脳卒中急性期診療体制の構築
 - II-4. 抗血栓薬、脳保護薬、降圧薬および脂質異常症治療薬の臨床病型別治療効果の研究
- III. 神経難病の病態解析と治療法に関する開発
- III-1. IRUD 拠点病院活動を基盤とした遺伝性希少疾患の診断体制構築
 - III-2. パーキンソン病、多系統萎縮症の病態解析
 - III-3. 疾患レジストリを基盤とした疾患バイオマーカーの開発
 - III-4. 神経免疫疾患の病態解析
 - III-5. 筋疾患の病態解析
- IV. てんかんの病態解析
- IV-1. てんかんの診断における定量的バイオマーカーに関する研究
 - IV-2. 急性期疾患における脳波解析
 - IV-3. 神経難病における脳波検査の有用性の検証
- V. 中毒性神経疾患の病態解析と治療開発
- V-1. 有機水銀中毒（水俣病）の長期経過例の臨床像に関する研究
 - V-2. 熊本地区におけるスモン患者の現状調査

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【特殊技術・特殊装置】

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|------------------------|---------------------------|
| 1. アミロイドーシスの診断と病態解析 | 6. リアルタイム PCR 装置 |
| 2. ATTR アミロイドーシスの実験モデル | 7. 交差型超音波装置 (アミロイド形成促進装置) |
| 3. 質量分析装置 (LC-MS/MS) | 8. 神経難病レジストリ、バイオバンク |
| 4. 自律神経機能検査 | 9. 自動免疫染色装置 |
| 5. Notch3 解析 | 10. 神経難病のエクソーム解析 |

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