

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. 薄型フレキシブルプローブを用いた頸動脈超音波検査による血流評価
 - II-3. 急性期脳梗塞症例における機械的血栓回収療法の新たな手法の開発
 - II-4. 頭蓋内動脈狭窄症の実態解明と治療戦略
- 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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