
臨床病態解析学講座

【研究プロジェクト名および概要】

I. がんの病態解析と新規診断・治療法の開発

1. 転移・再発におけるクローニング選択とその分子基盤の解明
2. ゲノム不安定の獲得機構とその制御法の解析
3. Tumor cell dormancy の分子機構の解明
4. RNA 修飾を介した腫瘍発症・進展機構の解析

II. 非侵襲的心機能評価の研究

1. 超音波検査の新たな解析手法を用いた弁膜症評価に関する研究
2. 非侵襲的検査を用いた心筋虚血の検出に関する研究
3. 超音波検査を用いた心機能評価に関する研究

III. 臨床検査に根付いた研究開発

1. 凝固関連遺伝子の遺伝学的検査と、凝固因子活性値測定手法の開発

IV. 熊本県心血管エコー検査標準化プロジェクト

1. アンケート調査による熊本県の心血管エコー検査の現状評価
2. 臨床検査技師・医師間の技術レベル均一化の試み

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【特殊技術・特殊装置】

1. アンプリコンシーケンス
2. mRNA シーケンス
3. ChIP シーケンス
4. リボソームプロファイリング
5. リアルタイム PCR
6. DNA シーケンサー
7. 経胸壁・経食道心エコー (2D, 3D)
8. 血管エコー
9. 運動負荷心電図
10. 24 時間 Holter ECG

【英文原著】

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