

抗ネオセルフβ2グリコプロテインI複合体抗体検査

診療科：産科婦人科

適応症：不妊症(流産(化学流産以外のものに限る。))の既往歴(二回以上のものに限る。))を有するものに限る。))

技術の概要：不妊症は不妊症と異なり、妊娠はできるが流産や死産を繰り返し、生児を産むことができない病気である。日本では、不妊症患者が推計140万人いると考えられており、少子高齢化が進む日本において克服すべき重要課題である。しかし、不妊症患者の半数以上は原因が不明で、治療法がわからないことが多いのが現状である。

先行研究において、脳梗塞のような重要な臓器の血管に血の塊が詰まり生命を脅かす血栓症や、流産、妊婦の生命を脅かす妊娠高血圧症候群などの病気を引き起こす抗リン脂質抗体症候群の原因となる全く新しい自己抗体(抗β2グリコプロテインIネオセルフ抗体)が発見された。

不妊症と抗β2グリコプロテインIネオセルフ抗体の関係については、2019～2021年度の日本医療研究開発機構(AMED)成育疾患克服等総合研究事業「不妊症、産科異常に関わるネオ・セルフ抗体の研究開発」において、臨床研究が行われた。この臨床研究において、不妊症の女性227人について抗β2グリコプロテインIネオセルフ抗体を測定した結果、52人(23%)の患者で陽性となった。不妊症における抗β2グリコプロテインIネオセルフ抗体陽性の頻度は、不妊症の原因を調べた他の検査(子宮形態異常、甲状腺機能異常、カップルいずれかの染色体異常など)の中で最も高く、抗β2グリコプロテインIネオセルフ抗体が不妊症を起こす重要な原因になっている可能性が示唆された。また、この227人の不妊症患者のうち、既存の不妊症検査では原因が判明しなかった患者は121人おり、このうち24人(20%)が抗β2グリコプロテインIネオセルフ抗体のみが陽性となった。

今回、抗β2グリコプロテインIネオセルフ抗体の保険収載を目指して、抗β2グリコプロテインIネオセルフ抗体の有効性を示すことを目的とした多機関共同臨床研究を、先進医療制度(先進医療A)として実施することとした。

青〔細字〕: 医学部	昭和18年2月	徳島県立徳島医学専門学校を設立	1943 Feb. Tokushima Prefectural Medical College was founded.	青〔細字〕: 医学部	昭和52年10月	医学部附属病院歯科口腔外科として保存診療部門、補綴診療部門、口腔外科、診療部門、矯正診療部門の4診療部門の診療を開始	1977 Oct.	The clinic of four sections (Conservative Dentistry, Prosthodontics,Oral Surgery,Orthodontics) started as Clinical Department of Dentistry Oral Surgery of University Medical Hospital.
青〔太字〕: 医学部附属病院	4月	徳島県立徳島医学専門学校附属病院	Apr. Tokushima City Hospital was transferred to Tokushima Prefectural Medical College Hospital.	青〔太字〕: 医学部附属病院				
緑〔細字〕: 歯学部		(徳島市民病院を徳島県に移管)が発足	1945 Apr. Tokushima Prefectural Medical College was transferred to the national government and named Tokushima Medical College.	緑〔細字〕: 歯学部	昭和53年4月	附属病院の事務部を3課(総務課、管理課、医事課)に改組	1978 Apr.	In the Hospital,the Administration offices were reorganized into Sections of General Affairs,Administrative Affairs and Medical Affairs. Organizing Section for University Dental Hospital was founded.
緑〔太字〕: 歯学部附属病院	昭和20年4月	徳島県立徳島医学専門学校を官立に移管、徳島医学専門学校と改称	The Hospital was also named Tokushima Medical College Hospital.			歯学部附属病院創設準備室設置	1979 Mar.	Construction of the building of School of Dentistry and University Dental Hospital was completed.
		徳島県立徳島医学専門学校附属病院は、徳島医学専門学校附属医院と改称	1948 Feb. Tokushima Medical School was established by merging Tokushima Medical College and Tokushima High School (Government ordinance No.33). The Hospital was renamed Tokushima Medical School Hospital.		昭和54年3月	歯学部・同附属病院棟新営竣工	Apr.	In the Hospital,the central clinical facilities were reorganized into Sections of Laboratory Medicine,Surgical Center,Radiological Center and Central Supply.
	昭和23年2月	徳島医科大学(徳島医学専門学校、徳島高等学校を包括)を設置(政令第33号)	Nov. The Branch Hospital was established at 2-chome,Shinkura-cho,Tokushima.		4月	附属病院の中央臨床検査部、中央手術部、中央放射線部及び中央材料部を検査部、手術部、放射線部及び材料部に改称		The Section of Oral Surgery in the Hospital was transferred to the University Dental Hospital (16 clinical sections in total).
		徳島医学専門学校附属医院は、徳島医科大学附属病院と改称	1949 May. The University of Tokushima was established as a national university under the National School Establishment Law (Law No.150) and Tokushima Medical School was incorporated into the University system together with Tokushima Medical College and Tokushima Medical High School.			歯科口腔外科は歯学部附属病院の設置に伴い廃止(計16診療科)		The University Dental Hospital was established. The Section of Preventive Dentistry, Conservative Dentistry,Periodontology and Endodontology, Removable Prosthodontics, Fixed Prosthodontics, Oral and Maxillofacial Surgery, Orthodontics was established in the Dental Hospital (7 clinical sections in total).
	11月	附属病院の分院(徳島市新蔵町二丁目)を設置	Tokushima Medical School Hospital became the University Hospital which comprised the following clinical sections: *Internal Medicine I ,Internal Medicine II, Psychiatry and Neurology,Pediatrics,Surgery, Dermatology and Urology,Ophthalmology, Oto-Rhino-Laryngology, Radiology, Gynecology and Obstetrics.			歯学部附属病院設置	May.	The clinical started.
	昭和24年5月	徳島大学医学部(徳島医科大学、徳島医学専門学校、徳島高等学校を包括)を設置(法律第150号)	In addition,the Surgical Center and the Central Supply Section were also established.			歯学部附属病院に予防歯科、第一保存科、第二保存科、第一補綴科、第二補綴科、第一口腔外科、矯正科を設置(計7診療科)	1980 Apr.	The Section of Oral and Maxillofacial Surgery and Oncology,Oral and Maxillofacial Radiology was established in the Dental Hospital (9 clinical sections in total).
		徳島医科大学附属病院は、徳島大学医学部附属病院と改称	1951 Mar. Tokushima Medical college was closed.		昭和55年4月	歯学部附属病院に第二口腔外科、歯科放射線科を設置(計9診療科)	1981 Dec.	Ward No.3. (SRC8 10,954m ²) was completed in the Hospital.
		開設科	Apr. The Section of Surgery in the Hospital was divided into the Sections of Surgery I,II,and Orthopedic Surgery and the Section of Dental Surgery was added (13 clinical sections in total).			附属病院第3病棟(SRC8 10,954m ²)が竣工	1982 Apr.	The Section of Otolgy in the Hospital was authorized. The Section of Pediatric Dentistry was established in the Dental Hospital (10 clinical sections in total).
		第一内科、第二内科、精神神経科、小児科、外科、皮膚泌尿器科、眼科、耳鼻咽喉科、放射線科(院内措置)、産婦人科の10診療科と中央手術部(院内措置)、中央材料室(院内措置)	1955 Apr. The Section of Radiology was also established in the Hospital.		昭和56年12月	附属病院に難聴診療部を設置	1983 Apr.	The Emergency Service was established in the Hospital.
	昭和26年3月	徳島医学専門学校を廃止	1958 Apr. The Branch Hospital was closed.		昭和57年4月	歯学部附属病院に小児歯科を設置(計10診療科)	1985 Apr.	The Section of Cardiovascular Surgery was established in the Hospital (17 clinical sections in total)
	4月	附属病院に第二外科、整形外科	1960 Mar. Tokushima Medical School was closed.			附属病院に救急部を設置	1990 Jun.	The Section of Transfusion Medicine was authorized in the Hospital.
		(外科から分離)及び歯科(院内措置)を設置(計13診療科)	1961 Mar. The Central Building (RC3 2,654m ²) of the Hospital was completed.			附属病院に心臓血管外科を設置(計17診療科)		The Administrative Offices of the School of Medicine and the University Hospital were integrated and reorganized into four sections of General Affaira,Administrative Affairs, Educational Affairs and Medical Affairs.
	昭和30年4月	附属病院に放射線科を設置	1962 Apr. The Sections of Laboratory Medicine and Surgical Center in the Hospital were authorized by the Ministry of Education.		平成2年6月	医学部及び附属病院の事務部を統合し医学部事務部(総務課、管理課、学務課、医事課)に改組	1991 Apr.	The Section of Dental Anesthesiology was established in the Dental Hospital (11 clinical sections in total).
	昭和33年4月	附属病院の分院を廃止	1963 Apr. The Section of Dermatology and Urology in the Hospital was also divided into the Section of Dermatology and the Section of Urology (14 clinical sections in total).			歯学部附属病院に歯科麻酔科を設置(計11診療科)	1992 Apr.	The Intensive Care Unit was established in the Hospital.
	昭和35年3月	徳島医科大学を廃止	1964 Apr. In the Administration Office of the Hospital, the Section of Administrative Affairs and the Section of Service were added.			附属病院に集中治療部を設置	1995 Apr.	The Section of Plastic and Reconstructive Surgery was established in the Hospital (18 clinical sections in total).
	昭和36年3月	附属病院中央診療棟(RC3 2,654m ²)が竣工	1965 Mar. The Ward No.1 (RC5 8,097m ²) were completed in the Hospital.			附属病院に形成外科を設置(計18診療科)	1997 Apr.	Center for Special Care in Dentistry was founded.
	昭和37年4月	附属病院に中央臨床検査部及び中央手術部を設置	Apr. The Section of Dentistry was established in the Hospital.			歯学部附属病院に特殊歯科総合治療部を設置	1998 Jul.	East Ward (SRC8 19,820m ²) was completed in the Hospital.
	昭和38年4月	附属病院の皮膚泌尿器科から泌尿器科を分離して増設(計14診療科)	1966 Apr. The Section of Central Supply was established in the Hospital.			附属病院東病棟(SRC8 19,820m ²)が竣工	1999 Apr.	Maternity and Perinatal Care Unit was authorized in the Hospital.
	昭和39年4月	附属病院事務部に管理課及び業務課を設置	Dec. The Outpatient Clinics Building (RC3 11,599m ²) was completed in the Hospital.			附属病院に周産母子センターを設置	2000Apr.	The Section of Medical Information Science was established in the Hospital.
	昭和40年3月	附属病院第1病棟(RC5 8,097m ²)が竣工	1967 Jun. The Section of Psychiatry and the Section of Gynecology in the Hospital were renamed as the Section of Psychiatry and Neurology and the Section of Gynecology and Obstetrics,respectively.			附属病院に医療情報部を設置	2001 Apr.	The Section of Pathology was established in the Hospital.
	4月	附属病院に歯科を設置	1968 Mar. In the Hospital,the Administration Offices and the Ward No.2 (SRC8 6,743m ²),and the Emergency Service (RC3 1,071m ²) were completed.			附属病院に病理部を設置	2002 Apr.	Eleven Clinical Departments were reorganized into four Clinical Departments(General Dentistry, Orthodontics, Pediatric Dentistry,Oral and Maxillofacial Surgery).
	昭和41年4月	附属病院に中央材料部を設置	1969 Apr. The Section of Anesthesiology was established in the Hospital (15 clinical sections in total).			歯学部附属病院の11診療科体制から歯科、矯正歯科、小児歯科、歯科口腔外科の4診療科体制に再編	2003 Mar.	The Central Building (RC5 17,876m ²) of the Hospital was completed.
		附属病院外来棟(RC3 11,599m ²)が竣工	1971 Apr. The Section of Internal Medicine III was established in the Hospital (16 clinical sections in total).			歯学部附属病院に総合歯科診療部を設置	Apr.	Clinical Trial Center for Developmental Therapeutics was established in the Hospital.
	昭和42年6月	附属病院の精神神経科を精神科神経科に、産婦人科を産科婦人科に改称	1972 Mar. Ward No5. (RC2 2,871m ²) was completed in the Hospital.			附属病院中央診療棟(RC5 17,876m ²)が竣工	Oct.	Integration of Medical Hospital and Dental Hospital.
	昭和43年3月	附属病院の管理部及び第2病棟(SRC8 6,743m ²)、及び救急診療棟(RC3 1,071m ²)が竣工	Apr. The Section of Physiotherapy was established in the Hospital.			臨床試験管理センターを設置		Clinical Departments were reorganized to ten Clinical Departments with 29 divisions.
		(SRC8 6,743m ²)、及び救急診療棟(RC3 1,071m ²)が竣工	1973 Apr. The Radiological Center was established in the Hospital.			医学部・歯学部附属病院に統合	10月	Medical Technology was established in the Hospital.
	昭和44年4月	附属病院に麻酔科を設置(計15診療科)	1974 Apr. The Section of Neurosurgery was established in the Hospital (17 clinical sections in total). The Section of Orthoptics was also established in the Hospital.			医学部附属病院と歯学部附属病院の統合により医学部・歯学部附属病院を設置		The Administrative Office of Tokushima University Hospital was established.(General Affairs, Management,Medical Affairs,Medical Service)
	昭和46年4月	附属病院に第三内科を設置(計16診療科)	May. Organizing Section for School of Dentistry was founded.			診療科体制を10大診療科体制に再編	2004 Apr.	Emergency service-Intensive Care Unit was established.(Integration of Emergency service and Intensive Care Unit)
	昭和47年3月	附属病院の第5病棟(RC2 2,871m ²)が竣工	1975 Oct. In the Hospital,the Section of Dentistry was renamed the Section of Oral Surgery.			診療支援部を設置	Dec.	Center for Maternity and Perinatal Care was designated.
	4月	附属病院に理学療法部(旧物療部)を設置	1976 Oct. The Delivery Unit was authorized in the Hospital.			事務組織を再編し、病院事務部を設置(総務課、企画経営課、医事課、医療サービス課)		
	昭和48年4月	附属病院に中央放射線部を設置	The University of Tokushima School of Dentistry was established.			救急部と集中治療部を統合し、救急集中治療部を設置		
	昭和49年4月	附属病院に脳神経外科(計17診療科)及び視能訓練部を設置				周産母子センターが総合周産期母子医療センターに指定	12月	
	5月	歯学部創設準備室設置						
	昭和50年10月	歯科は歯科口腔外科と改称						
	昭和51年10月	附属病院に分娩部を設置						
		徳島大学歯学部設置						

平成18年1月 特殊歯科総合治療部を改組し、
高次歯科診療部を設置

4月 病院事務部を3課体制に再編
(総務課、企画経営課、医事課)

平成19年4月 病院事務部を4課体制に再編
(総務課、経営企画課、経理調達課、医事課)

5月 理学療法部をリハビリテーション部に改称

平成20年10月 放射線科に置く放射線科を放射線診断科と
放射線治療科に変更

平成21年3月 医療情報を改組し、病院情報センターを設置

9月 附属病院西病棟(SRC11 19,100m²)が竣工

平成22年4月 学部附属から大学直轄となることに伴い
徳島大学病院に名称変更

平成23年4月 病院事務部を5課及び1室体制に再編
(総務課、経営企画課、経理調達課、
医事企画課、医療支援課、施設整備室)

10月 栄養管理室を改組し、栄養部を設置

平成24年3月 総合メディカルゾーン・メディカルブリッジ・
大学病院～県立中央病院連絡橋(3階部分接続
S 297m²)が竣工

平成25年4月 輸血部を輸血・細胞治療部に改称

11月 口腔インプラントセンターを設置

平成26年4月 安全管理対策室を改組し、安全管理部と
感染制御部を設置

8月 クリニカルアナトミー教育・研究センターを設置

平成27年4月 地域医療連携センターを廃止し、患者支援セン
ターを設置

病院事務部を6課体制に再編
(総務課、経営企画課、経理調達課、医事企画
課、医療支援課、施設整備課)

外来診療棟(S5 19,200m²)が竣工

平成28年3月 西外来診療棟(RC5 4,878m²)改修が竣工

4月 総合診療部を設置

遺伝相談室を臨床遺伝診療部に改称

クリーン歯科診療室を廃止

12月 てんかんセンターを設置

平成29年4月 麻酔科診療部を設置

国際医療センターを設置

クリニカルパスセンターを設置

病院事務部を4課体制に再編(総務課、経営企
画課、経理調達課、医事課)

10月 総合スポーツ医学センターを設置

平成30年4月 地域小児科診療部を設置

平成31年2月 総合メディカルゾーン(大学病院・県立中央病
院)両病院の外構が完成しメディカルストリート
が開通

4月 診療支援部を医療技術部に改称

令和2年3月 看護師特定行為研修センターを設置

4月 総合アレルギーセンターを設置

排尿ケア管理室を設置

神経内科を脳神経内科に改称

臨床試験管理センターを総合臨床研究セン
ターに改称

2006 Jan. Center for Special Care in Dentistry was
reorganized to Center for Advanced Dental Health Care.

Apr. The Administrative Office of Tokushima
University Hospital was reorganized to three
sections.(General Affairs, Management, Medical Affairs)

2007 Apr. The Administrative Office of Tokushima University
Hospital was reorganized to four sections.
(General Affairs, Management Planning, Accounting
and Supply Affairs, Medical Affairs)

May. Physiotherapy was renamed to Rehabilitation.

2008 Oct. In Radiology, Radiology was reorganized into
Diagnostic Radiology and Radiation Oncology.

2009 Mar. Department of Medical Informatics was reorganized
to Medical IT Center.

Sep. West Ward (SRC11 19,100m²) was completed in the Hospital.

2010 Apr. This hospital was renamed the Tokushima University
Hospital as it was put under direct control of the
University from affiliated hospitals of the Faculties of
Medicine and Dentistry.

2011 Apr. The Administrative Office of Tokushima University
Hospital was reorganized to five sections and an office.
(General Affairs, Management Planning, Accounting
and Supply Affairs, Medical Planning, Medical Support, Facility Maintenance)

2011 Oct. Division of Nutritional Management was reorganized to Nutrition.

2012 Mar. The Medical Bridge (S 297 m²) connecting the 3rd floor of the Tokushima
University Hospital with the 3rd floor of the Tokushima Prefectural Central
Hospital in the General Medical Zone was completed.

2013 Apr. Trans fusion Medicine was renamed to Transfusion Medicine and Cell Therapy.

Nov. Oral Implant Center was established in the Hospital

2014 Apr. Safety Management was reorganized to Department of Patient Safety and
Department of Infection Control and Prevention.

Aug. Clinical Anatomy Education and Research Center was established in the Hospital.

2015 Apr. Liaison Center was closed and Patient-Support and Community-Service Center
was established in the Hospital.

The Administrative office of Tokushima University Hospital was reorganized to
six sections.
(General Affairs, Management Planning, Accounting, and Supply Affairs, Medical
Planning, Medical Support, Facility Maintenance)

The Outpatient Clinic (S5 19,200m²) was completed.

2016 Mar. The refurbishment of the West Outpatient Clinic (RC5 4,875m²) was
completed.

Apr. General Medicine and Primary Care was established in the Hospital.
Genetic Counseling was renamed to Division of Clinical Genetics.
Infection Control Section was closed.

Dec. Epilepsy Center was established in the Hospital.

2017 Apr. Department of Anesthesiology was established in the Hospital.
International Medical Center was established in the Hospital.
Clinical Pathway Center was established in the Hospital.
The Administrative office of Tokushima University Hospital was reorganized to
four sections. (General Affairs, Management Planning, Accounting and Supply
Affairs, Medical Affairs)

Oct. Integrated Sports Medicine Center was
established in the Hospital.

2018 Apr. Department of Pediatrics and community
medicine was established in the Hospital.

2019 Feb. The exterior of both the Tokushima University Hospital and the Tokushima
Prefectural Central Hospital in the General Medical Zone was completed and
the Medical Street was opened to traffic.

Apr. Supporting Department for Medical Treatment was renamed to Division of
Medical Technology.

2020 Mar. Advanced Nurse Training Center was established in the Hospital.

Apr. Allergy Center was established in the Hospital.
Management Section of Urinary Care was established in the Hospital.
Clinical Trial Center for Developmental Therapeutics was renamed to Clinical
Research Center for Developmental Therapeutics.

令和3年8月 再生医療細胞調整センターを設置

総合腎臓病センターを設置

10月 災害・感染症トリアージ棟(RC 418m²)が竣工

令和4年4月 病院事務部を4課及び1室体制に再編(総務課、
経営企画課、経理調達課、医事課、施設企画管
理連携室)

7月 下肢救済・創傷治療センターを設置

8月 脳卒中・心臓病等総合支援センターを設置

痛みセンターを設置

12月 臨床遺伝診療部をゲノム医療センターに改称

令和5年4月 高度先進整形外科診療部を設置

5月 救急集中治療科を設置

令和6年4月 病理診断科を設置

子と親のこころ診療室を子と親のこころ診療・
学習障害センターに改称

令和7年4月 光線力学的治療センターを廃止

6月 地域産婦人科診療部を廃止

7月 細胞治療センターを移植・免疫細胞療法セン
ターに改称

令和8年4月 総合臨床研究センターを臨床研究推進部に改称

ME管理センターを臨床工学部に改称

2021 Aug. Cell Processing Center(CPC) for Regenerative Medicine and Cell
Transplantation was established in the Hospital.
Integrate Kidney Center was established in the Hospital.

Oct. Outpatient Triage Clinic For Disaster and Infection Control (R 418m²) was
completed.

2022 Apr. The Administrative office of Tokushima University Hospital was reorganized
to four sections and an office. (General Affairs, Management Planning,
Accounting and
Supply Affairs, Medical Affairs, Facility Planning and Management)

Jul. Limb Salvage and Wound Care Center was established in the Hospital.

Aug. Stroke and Cardiovascular Diseases Support Center was established in the
Hospital.
Pain Center was established in the Hospital.

Dec. Division of Clinical Genetics was renamed to Clinical Genomics Center.

2023 Apr. Department of Advanced Orthopaedic Surgery was established in the Hospital.

May. Emergency and Critical Care Medicine was established in the Hospital.

2024 Apr. Diagnostic Pathology was established in the Hospital.
COCOLO Clinic for Children and Family was renamed to COCOLO Clinic for
Children and Family / Learning Disorder Center.

2025 Apr. Photo Dynamic Therapy Center was closed.

Jun. Department of Community and Obstetrics and Gynecology was closed.

Jul. Cellular Therapy Center was renamed to Transplant and Cell therapy Unit.

2026 Apr. Clinical Research Center for Developmental Therapeutics was renamed to
Department of Clinical and Translational Science.
Medical Engineering and Techno Center was renamed to Department of Clinical
Engineering.

