

## G7保健大臣会合にて各国代表向けに、長崎における急性心筋梗塞(AMI) デジタルクリニカルパスのポスター発表を実施しました

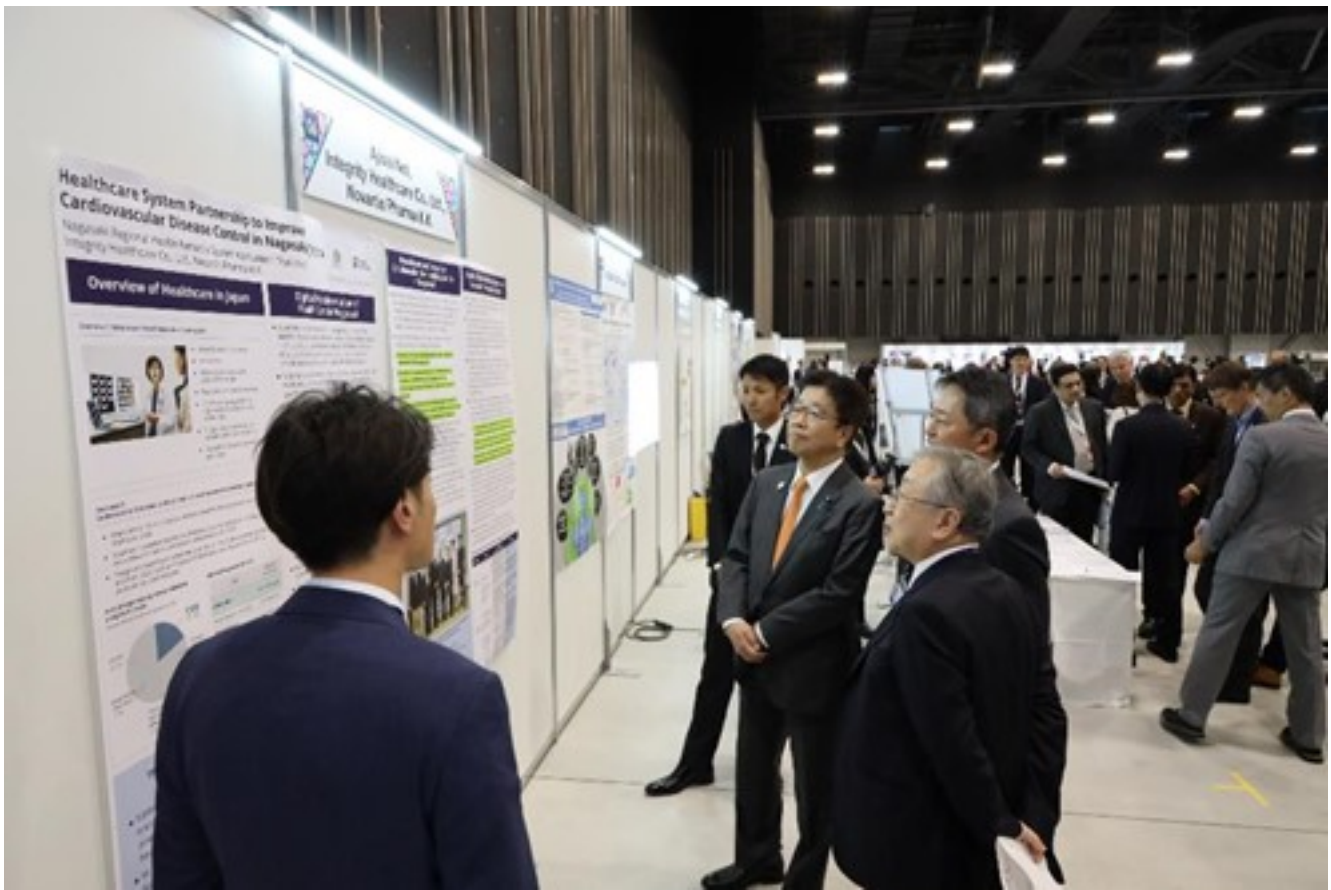
May 31, 2023

### プレスリリース

報道関係各位

特定非営利活動法人長崎地域医療連携ネットワークシステム協議会 あじさいネット  
ノバルティス ファーマ株式会社  
株式会社インテグリティ・ヘルスケア

地域医療連携ネットワーク「あじさいネット」を運営する特定非営利活動法人長崎地域医療連携ネットワークシステム協議会所在地：長崎県長崎市、会長：森崎 正幸、以下あじさいネット、株式会社インテグリティ・ヘルスケア本社：東京都中央区、代表取締役会長：武藤 真祐、代表取締役社長：園田 愛、以下インテグリティ・ヘルスケア、およびノバルティス ファーマ株式会社本社：東京都港区、代表取締役社長：レオ・リー、以下ノバルティス ファーマの3者は、2023年5月13日から14日に長崎県長崎市で開催されたG7長崎保健大臣会合において、「Healthcare System Partnership to Improve Cardiovascular Disease Control in Nagasaki, Japan」に関するポスター発表を実施いたしました。



厚生労働省より提供

3者は、2022年4月に包括連携協定を締結し、保健医療DXデジタルトランスフォーメーションのロールモデルの創出ならびに患者貢献を目指し、急性心筋梗塞(Acute myocardial infarction: AMI)の二次予防への寄与を実現するべく、デジタルクリニカルパスAMIデジタルクリニカルを、インテグリティ・ヘルスケアが開発・提供する疾患管理システムYaDocと接続されたあじさいネット上に構築し、病診連携の質、および利便性と効率性の向上に取り組んでいます。ポスターではこれら一連の取り組みを紹介しました。このポスター発表に加藤勝信厚生労働大臣をはじめ、各国代表と積極的な意見交換がなされました。

今後も、医療領域でのデジタルトランスフォーメーションへの期待にお応えするべく、テクノロジーを活用した医療の発展に貢献し、さらなる患者貢献を果たしてまいります。

発表された実際のポスターはこちらです。

## Healthcare and Industry Collaboration for Healthcare DX in Nagasaki

- Against the backdrop of local medical issues, in 2022, Ajsai Net, Integrity Healthcare, and Novartis Pharma K.K. signed a comprehensive collaboration agreement with the aim of contributing to improving the quality of local medical care related to cardiovascular and respiratory diseases.
- The agreement is based on mutual collaboration and cooperation with the following three goals:
  - Promotion of medical collaboration toward a better medical care delivery system**
  - Promotion of appropriate disease management by physicians and healthcare professionals and self-management by patients to improve treatment outcomes**
  - Establishment and dissemination of digital tools that contribute to improving the quality of local medical care related to cardiovascular and respiratory diseases**
- The chronic diseases of the cardiovascular and respiratory systems that are the subject of this agreement require long-term observation and treatment. Patients must continue self-management throughout their lives. During the long treatment period, medical institutions in the acute and chronic phases must work together to implement the standard of care based on modern scientific evidence.
- By bringing together the knowledge of the three parties and pioneering digital technology, we aim to create a role model for the digital transformation of healthcare that will contribute to creating an environment in which patients can receive more appropriate treatment and improve treatment outcomes.



Photo taken on April 18, 2022, at the ceremony for the conclusion of a comprehensive agreement among the three companies.

**Ajsai Net:**  
 - Masayuki Moritake (Chairman), Center in the photo  
 - Takashi Tajima (Executive Director), Second from left in the photo  
 - Akieko Matsuyama (Operation Manager), Leftmost in the photo

**Integrity Healthcare:**  
 - Shinsuke Mitsu (Chairman), Third from the right in the photo  
 - Akihide Iwamoto (President), Second from the right in the photo

**Novartis Pharma K.K.:**  
 - Lars Lee (President and Representative Director), Third from the left in the photo  
 - Mio Harada (Corporate DP cor, Head of Value & Access), Rightmost in the photo

## Digital Clinical Pathway System on Secondary Prevention of AMI

- As a result of this collaboration, we have now established a digital clinical pathway system for secondary prevention of Acute Myocardial Infarction (AMI).
- For secondary prevention of AMI, it is important to control risk factors such as hypertension, diabetes, smoking, and lipid abnormalities. In particular, aggressive lipid-lowering therapy targeting LDL-C less than 70 mg/dL is recommended, especially with the goal of reducing the development of coronary artery plaque.
- Therefore, Nagasaki University Hospital, together with all cardiac catheterization facilities in Nagasaki City, established the "Nagasaki ACS Secondary Prevention Council". The council is operating the AMI Clinical Pathway for the implementation of standard treatment in accordance with the guidelines.
- In response to this, we have established the "AMI Digital Clinical Pathway" on the Ajsai Net with the aim of practicing standard treatment with medical cooperation in more regions and medical institutions. This functionality will enable:
  - Communication regarding the latest LDL-C values and antiplatelet medications can be confirmed on the path**
  - Items to be checked at the time of consultation are listed on the path and can be recorded without omission.**
  - Test results are automatically collected, recorded, and shared with both collaborating medical institutions.**
- In this way, the convenience and efficiency of the work involved in the cooperation between hospitals and diagnostic laboratories can be dramatically increased. The convenient functions that facilitate the maintenance of data accuracy and continuity, as well as therapeutic intervention decisions, support physicians in their practice. In the future, it is expected to further enhance the effectiveness of treatment management, for example, by linking with patient PHRs (Personal Health Records).
- We will contribute to the further enhancement of cardiovascular care in Japan through the success of this groundbreaking initiative, which is unprecedented in Japan.

Subject	Item	Before (Operated on paper)	After
Information flow	One-way information sharing from paper to paper or from paper to electronic data	Two-way information sharing	
Medical history	Must print information	Can be reviewed in real time on a dedicated system	
Medical Specialist	Must refer to other medical institutions	Path does not require sharing on a dedicated system	
General Practitioner	Must refer to other medical institutions	Path does not require sharing on a dedicated system	
Patients	Operation of paper PHR (Personal Health Record) through	Not necessary	Possible

## Healthcare System Partnership to Improve Cardiovascular Disease Control in Nagasaki, Japan

Nagasaki Regional Health Network System Association "Ajsai Net", Integrity Healthcare Co., Ltd., Novartis Pharma K.K.

### Overview of Healthcare in Japan

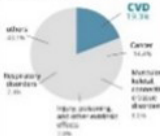
**Overview 1: Mature and Established Healthcare System**

- Universal health insurance
- Free screen
- Medical institutions, 20K in total, 80% private
- Physicians are free to practice
- 10 to 30% co-pay by patients, high medical expenses will be reimbursed
- Drug prices close to EU, 4th largest market in the world
- Revised by innovation with price premium

**Overview 2: Cardiovascular Diseases (CVD) Control is One of the Most Important Issues in Japan**

- Overlapping CVD multiple co-existing, mortality like longevity and well-being healthcare costs
- Japanese Circulation Society has formulated a five-year plan to conquer CVD and a new plan will be announced at its annual meeting in 2022
- The government has announced the Basic Act on Cardiovascular Disease (2019), and from 2023, each prefecture will formulate and implement a plan to promote comprehensive measures

**Medical Expense Categories per Inpatient or Outpatient in Japan**



**Medical Expenses for CVD**

CVD Type	Medical Expense Ratio
Myocardial infarction	4.1%
Angiogram of coronary artery	1.7%
Heart disease (including hypertension)	2.0%
Stroke (heart disease)	2.7%
Cardiovascular disease	7.0%

### Digital Transformation of Healthcare in Nagasaki

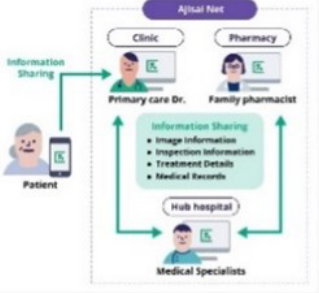
- Ajsai Net, Health Information Exchange (HIE), is one of the largest regional medical networks in Japan that enables medical institutions to cross-reference medical information with each other. It is known as the most successful regional medical coordination network system in Japan for about 20 years.
- Ajsai Net is said to be very rich in functions, unparalleled in the world, and continues to develop as an even safer and higher quality community healthcare system.

Category	Function	Function
Basic data of medical institutions	Real-time imaging	Emergency Care Support
Medical history	After-hours telephone advice	Stroke Care Support
Medical Specialist	Medical information sharing	Stroke Care Support
General Practitioner	Emergency information sharing	Stroke Care Support
Patients	Extending consultation via Web	Stroke Care Support
	Self-management support	Stroke Care Support
	Information sharing with the home medical care team	Stroke Care Support
	Dr. In-home doctor consultation	Stroke Care Support
	Dr. In-home doctor consultation	Stroke Care Support

- And in 2020, Ajsai Net linked its system with YaDoc, a digital disease management system.
- YaDoc is a cloud system used to connect doctors and patients to conduct remote monitoring and online medical care.
- This enables medical treatment based on an accurate understanding of a patient's daily symptoms and drug taking behavior, and this information is also utilized in cooperation between hospitals and clinics.
- This initiative is attracting attention as an advanced example of healthcare DX that will help realize the "From Care to Cure" philosophy required in Japan's super-aging society, where non-communicable diseases account for 86% of all deaths.

#### The Japanese government is promoting Healthcare Digital Transformation

- Kishida administration has designated "Digital transformation (DX)" including healthcare area as one of five priority investment areas, and one of four growth drives.
- In 2022, the government established Digital Agency to accelerate DX including digital health
- The government has committed to promote standardization of Electronic Health Record (EHR), Personal Health Record (PHR) and national medical information platform



## 関連プレスリリース

あじさいネット、インテグリティ・ヘルスケア、ノバルティスファーマの3者包括連携協定、心筋梗塞の二次予防に向けて新たな一歩を達成  
 長崎ACS二次予防協議会作成の急性心筋梗塞二次予防クリニカルパス機能を構築

あじさいネット、インテグリティ・ヘルスケア、ノバルティスファーマ3者包括連携協定を締結。地域におけるICT基盤の利活用を推進し、地域医療連携の強化と医療の質向上を目指す

## あじさいネットについて

あじさいネットは特定非営利活動法人長崎地域医療連携ネットワークシステム協議会が運営する、医療機関同士で診療情報の相互参照が可能な国内最大規模の地域医療ネットワークです。2022年11月現在の会員数は約1,800名、情報提供病院数は38施設、情報閲覧施設数は370施設、診療情報を共有している患者数は15万名以上に及んでいます。あじさいネットは2020年8月、YaDocとの連携を開始しています。

<http://www.ajisai-net.org/ajisai/index.htm>

## ノバルティスファーマ株式会社について

ノバルティスファーマ株式会社は、スイス・バーゼル市に本拠を置く医薬品のグローバルリーディ

ングカンパニー、ノバルティスの日本法人です。ノバルティスは、より充実したすこやかな毎日のために、これからの医薬の未来を描いています。ノバルティスは世界で約10万3千人の社員を擁しており、8億人以上の患者さんに製品が届けられています。ノバルティスに関する詳細はホームページをご覧ください。

<https://www.novartis.co.jp>

## 株式会社インテグリティ・ヘルスケアについて

株式会社インテグリティ・ヘルスケアは、人とテクノロジーの融合で、医療の未来をつくることを目指したメディカルテック企業です。ICTの先端技術と医療ノウハウを組み合わせ、医師と患者の双方向のコミュニケーションを深めながら一層の診療の質の向上に寄与する、疾患管理システムYaDoc、オンライン診療システムYaDoc Quick、PHR管理システムSmart One Healthの開発を進めています。

<https://www.integrity-healthcare.co.jp>

以上

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