

**From:** Department of Paediatrics and Adolescent Medicine, School of Clinical Medicine  
<[lovebb@hku.hk](mailto:lovebb@hku.hk)>

**Subject:** 新冠肺炎與兒童及青少年腦部發展研究 COVID and the Young Brain Research

Message from Department of Paediatrics and Adolescent Medicine, School of Clinical Medicine

致各位大學職員、學生及校友：

香港大學兒童及青少年科學系正在和腦與認知科學國家重點實驗室（香港大學）、香港教育大學幼兒教育學系及香港中文大學影像及介入放射學系合作進行一項關於青少年大腦功能和發展的研究。目的是探究在兒童及青少年群體中，由新型冠狀病毒病所帶來的認知能力改變及腦部變化。

我們誠意邀請符合以下條件的人士參與是次研究：

1. 6 至 24 歲的青少年
- 2a. 從未感染新冠病毒 或；
- 2b. 2022 年 2 月或之後感染新冠病毒
3. 無新冠病毒感染相關症狀
4. 過去 14 天未曾被要求隔離
5. 無金屬植入或做過心臟手術

研究內容如下：

- 由香港大學診斷放射科提供的腦部磁力共振（MRI）掃描，掃描時間約為 1 小時
- 約 2 小時的認知評估
- 參與者及其父母將填寫一份關於子女身體狀況的問卷（約 10 分鐘）
- 抽血檢查

以上檢查費用全免。完成研究之後可獲：

- 一份個人認知發展評估報告
- 一份個人腦部 MRI 報告
- 一份個人學習能力評估報告

參與者及其 1 名隨行人員必須已接種新冠疫苗。

在參加本計劃之前，您需要完成網上的初步評估，以確定您的孩子是否適合參加本計劃。網上的評估可透過以下連結或掃描 QR code 登記完成，研究人員將會儘快聯絡符合參與資格人士解釋研究的詳情。

請透過此網址登記：[https://hku.au1.qualtrics.com/jfe/form/SV\\_bwlBqPc4esN6vjM](https://hku.au1.qualtrics.com/jfe/form/SV_bwlBqPc4esN6vjM)

或

請掃描 QR code 登記



本研究已通過香港大學及醫管局港島西醫院聯網研究倫理委員會批准（UW20-292, UW21-583）。如有疑問，請聯絡：

梁先生/李小姐，香港大學兒童及青少年科學系研究員（聯繫電話 9104 4095 或電郵 [lovbb@hku.hk](mailto:lovbb@hku.hk)）。

若您對您的孩子作為研究參與者所享有的權利有任何疑問，請致電 2255 4086 與香港大學及醫管局港島西醫院聯網研究倫理委員會聯絡。

感謝你的參與。

Dear colleagues, students and alumni,

The Department of Paediatrics and Adolescent Medicine is collaborating with State Key Laboratory of Brain and Cognitive Sciences (University of Hong Kong), Department of Childhood Education, EdUHK and Department of Imaging and Interventional Radiology, CUHK to conduct a cohort study to examine children's and adolescents' brain development and function and would like to invite your children to participate.

We sincerely invite adolescents and children who meet the following criteria:

1. Aged between 6 and 24
- 2a. Has been infected with COVID-19 (starting from February 2022) OR
- 2b. Has never been infected with COVID-19
3. No existing symptoms of acute COVID-19 infection
4. Not under quarantine over the past 14 days
5. Not having implanted metal or any cardiac surgery before

Study Procedures:

1. A free Magnetic resonance imaging (MRI) of the brain provided by the Department of Diagnosis Radiology, HKU, lasting for about 1 hour.
2. A neurocognitive assessment lasting for approximately 2 hours, involving several cognitive tasks to perform.
3. Parents of participants will fill in a questionnaire regarding their children's behaviour.
4. Blood test will be performed on your child for antibody check.

The above investigations are free of charge. Each participant will receive:

- **An individual assessment report**
- **A brain MRI report**
- **An individual learning assessment report**

after participation.

Participants and/ or 1 accompanying person must have been vaccinated of COVID vaccine.

Please finish the following online application for assessment of eligibility to participate in this project:

[https://hku.au1.qualtrics.com/jfe/form/SV\\_bwlBqPc4esN6vjM](https://hku.au1.qualtrics.com/jfe/form/SV_bwlBqPc4esN6vjM)

or

scan the following QR code:



Our research staff will contact you soon to explain the research study.

We appreciate for your participation and support.

This study has been reviewed and approved by the Institutional Review Board of the University of Hong Kong/ Hospital Authority Hong Kong West Cluster (HKU/ HA HKW IRB) (UW20-292, UW21-583).

If you have any enquiries about this research, please feel free to contact:

Mr Oscar Leung / Ms Tracy Li (9104 4095 or email [lovebb@hku.hk](mailto:lovebb@hku.hk)).

If you have questions about the research ethics approval of this project, please contact Institutional Review Board of the University of Hong Kong/ Hospital Authority Hong Kong West Cluster (2255 4086).