

The Inflammatory Markers of Multisystem Inflammatory Syndrome in children (MIS-C) and adolescents during the COVID-19 Pandemic: A Meta-analysis

Yan Zhao¹, Li-juan Yin^{2*}, Jenil Patel³, Lei Tang¹ and Ying Huang²

Affiliations:

¹Department of Pediatrics, People's Hospital of Chongqing Banan District, Chongqing, 401320, China.

²Department of Respiratory Medicine, Children's Hospital of Chongqing Medical University; National Clinical Research Center for Child Health and Disorders; Ministry of Education Key Laboratory of Child Development and Disorders; China International Science and Technology Cooperation Base of Child Development and Critical Disorders; Chongqing Key Laboratory of Pediatrics; Chongqing, 400014, China. Electronic address: yudishengyin4356@sina.com.

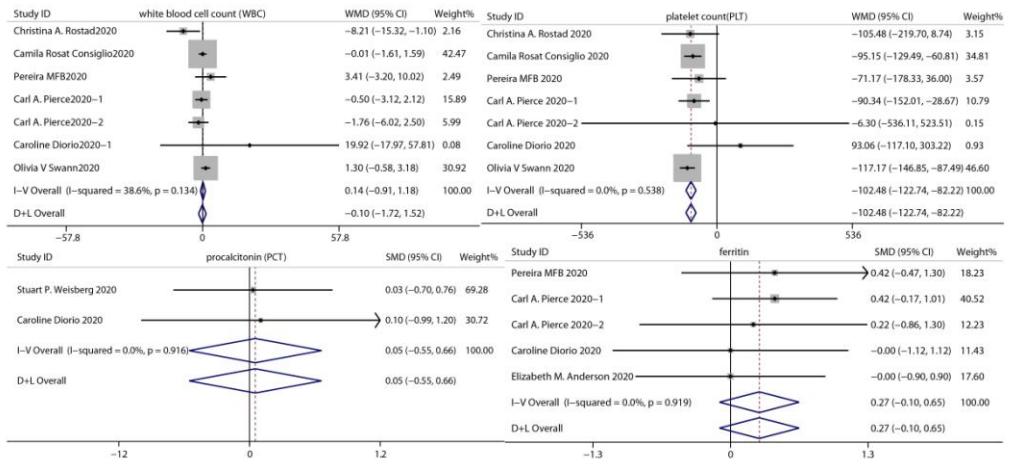
³Department of Epidemiology, Fay W. Boozman College of Public Health, University of Arkansas for Medical Sciences

Corresponding Author:

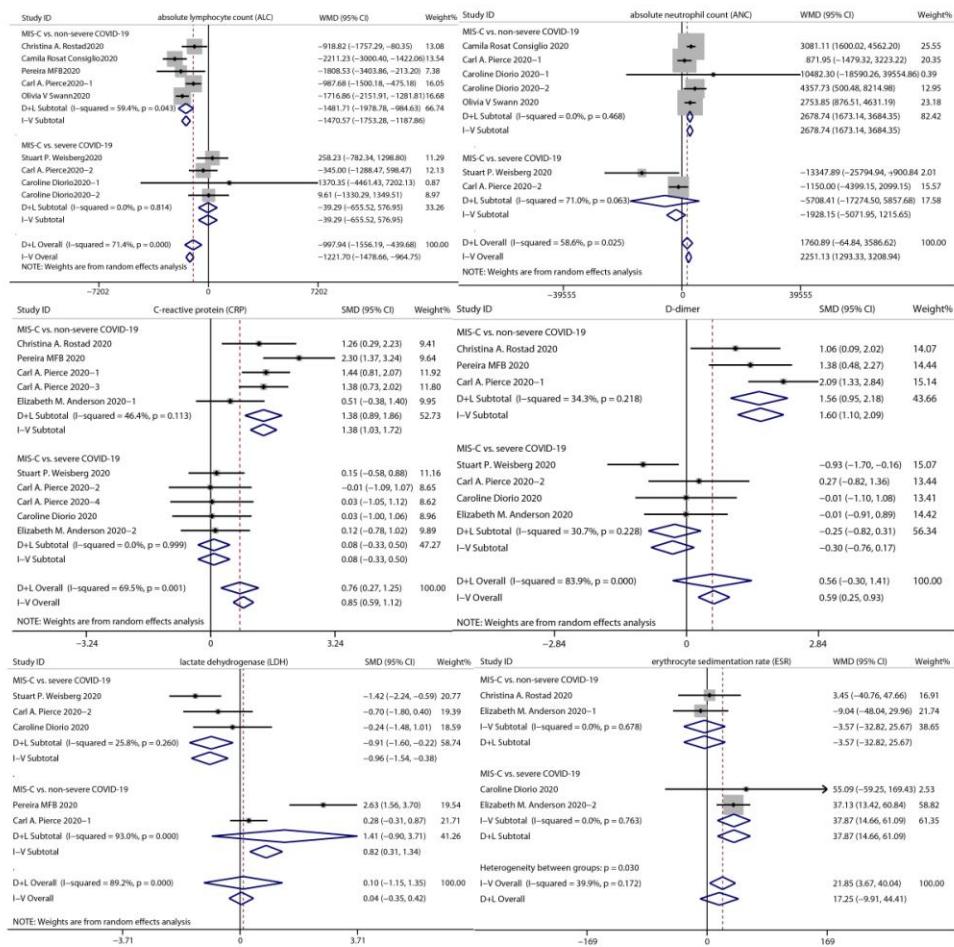
Lijuan Yin, Electronic address: yudishengyin4356@sina.com; Address: Children's Hospital of Chongqing Medical University, Zhongshan Second Road of Yuzhong District, Chongqing 400014, China; Telephone: +86 13983885611.

Word count: 2993

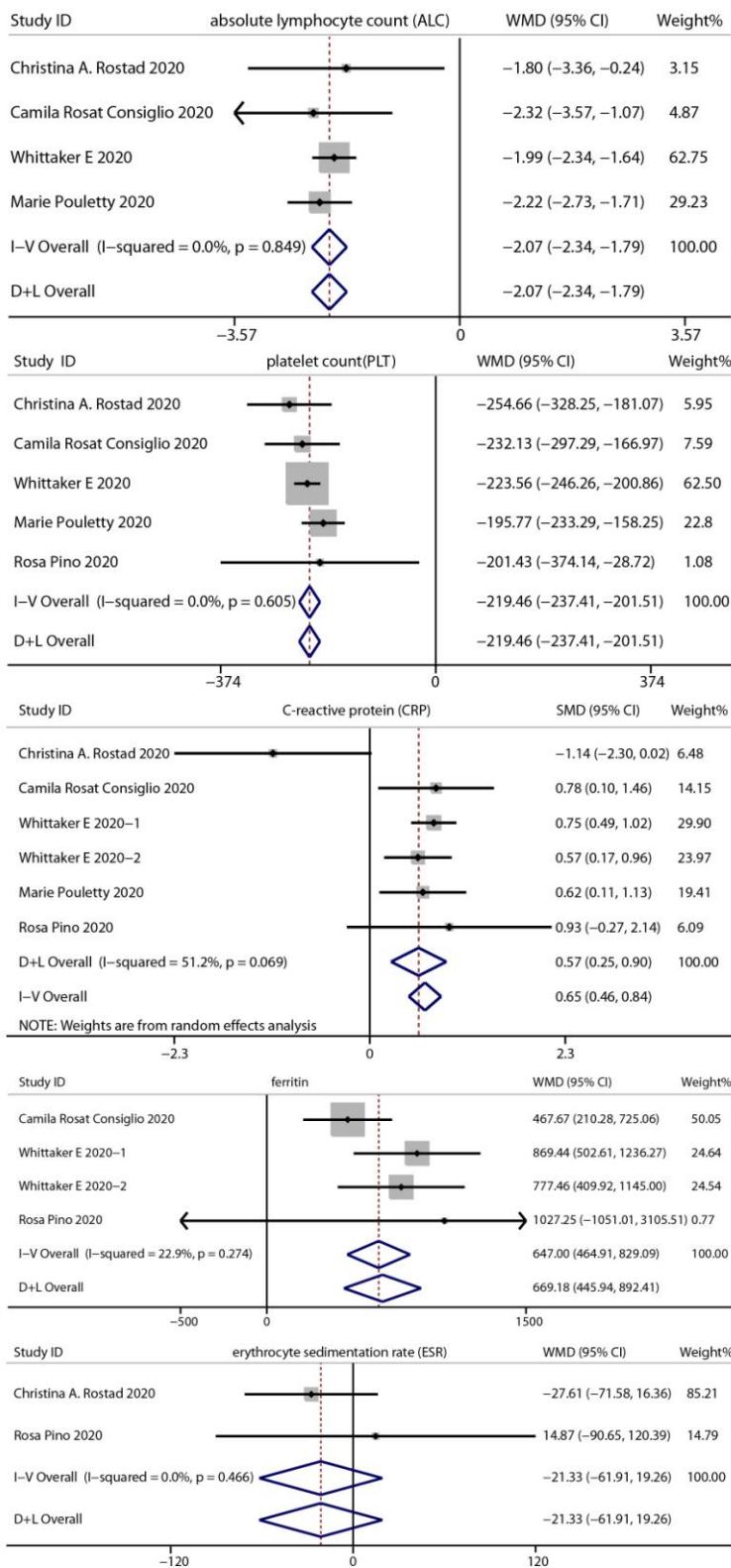
eFigure 2: forest plots of MIS-C vs. COVID-19
eFigure 3: forest plots of MIS-C vs. severe/non-severe COVID-19
eFigure 4: forest plots of MIS-C vs. KD
eFigure 5: forest plots of severe MIS-C vs. non-severe MIS-C
eFigure 6: forest plots of MIS-C with coronary artery abnormality vs. MIS-C without coronary artery abnormality
eFigure 7: forest plots of KD during SARS-CoV-2 epidemic vs. before SARS-CoV-2 epidemic
eTable in the Supplement



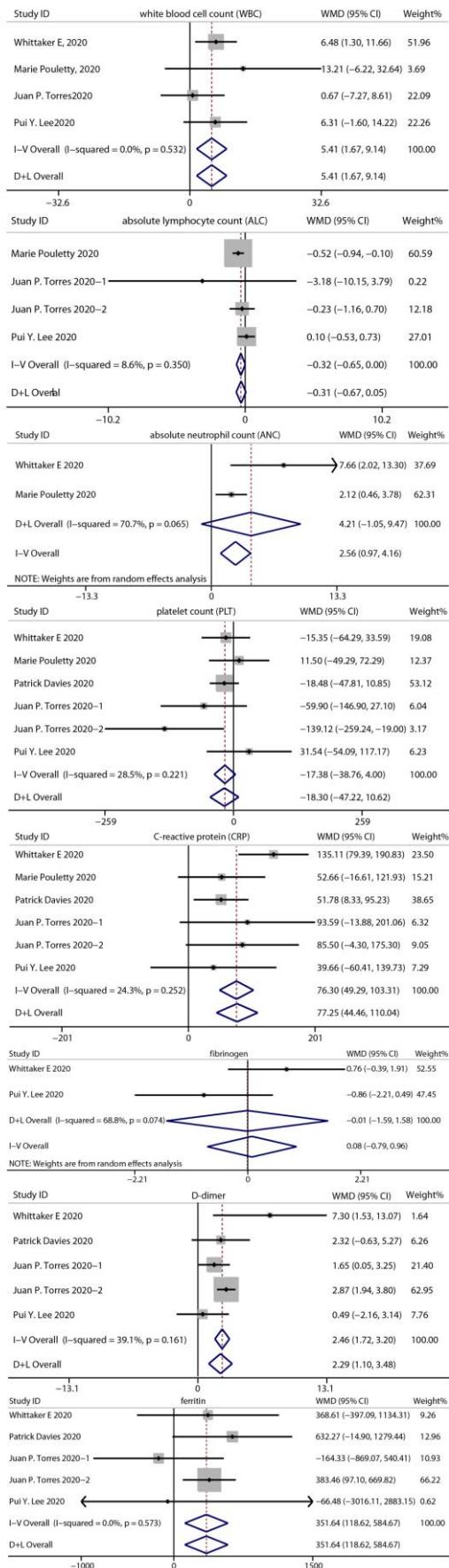
eFigure 2: forest plots of MIS-C vs. COVID-19



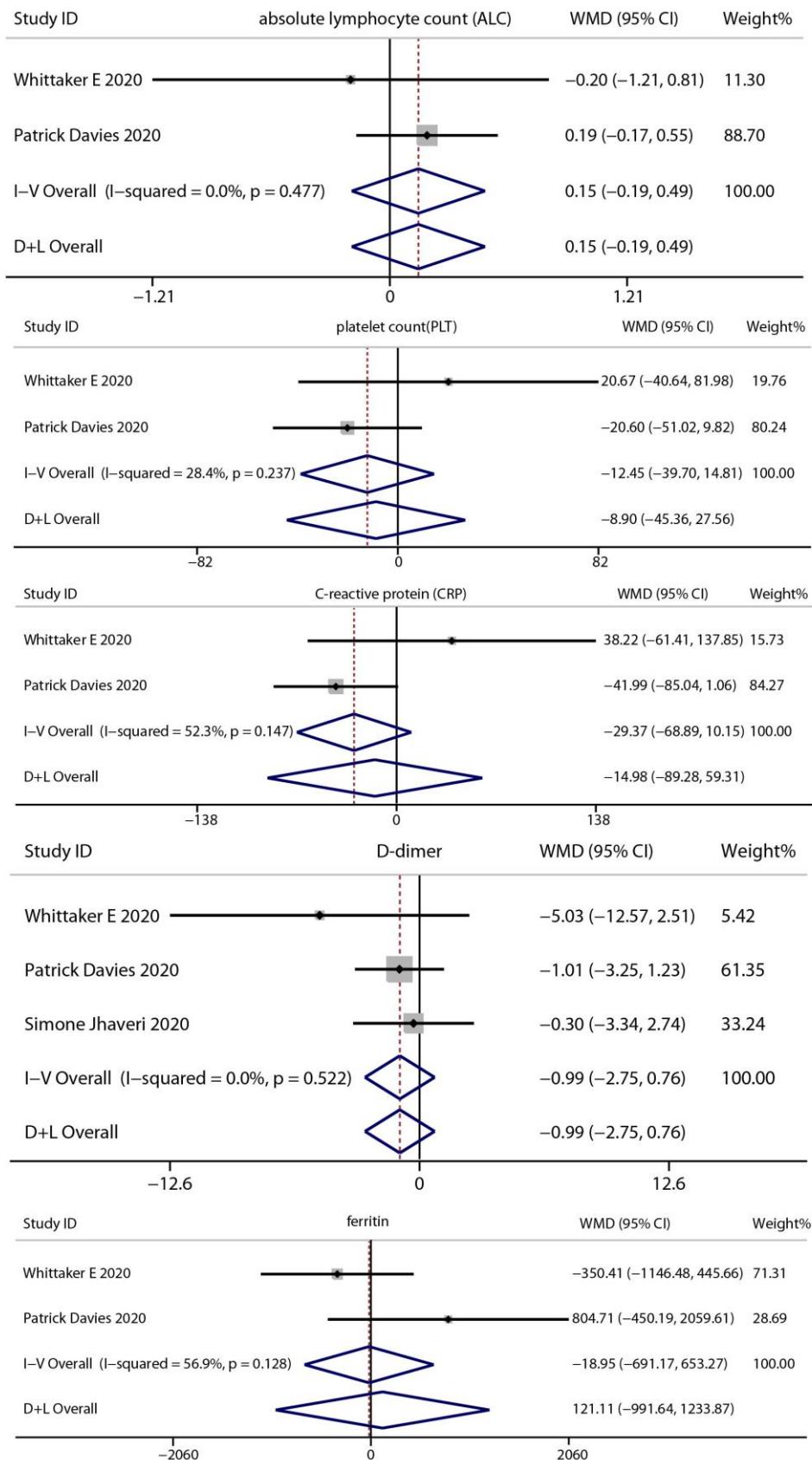
eFigure 3: forest plots of MIS-C vs. severe/non-severe COVID-19



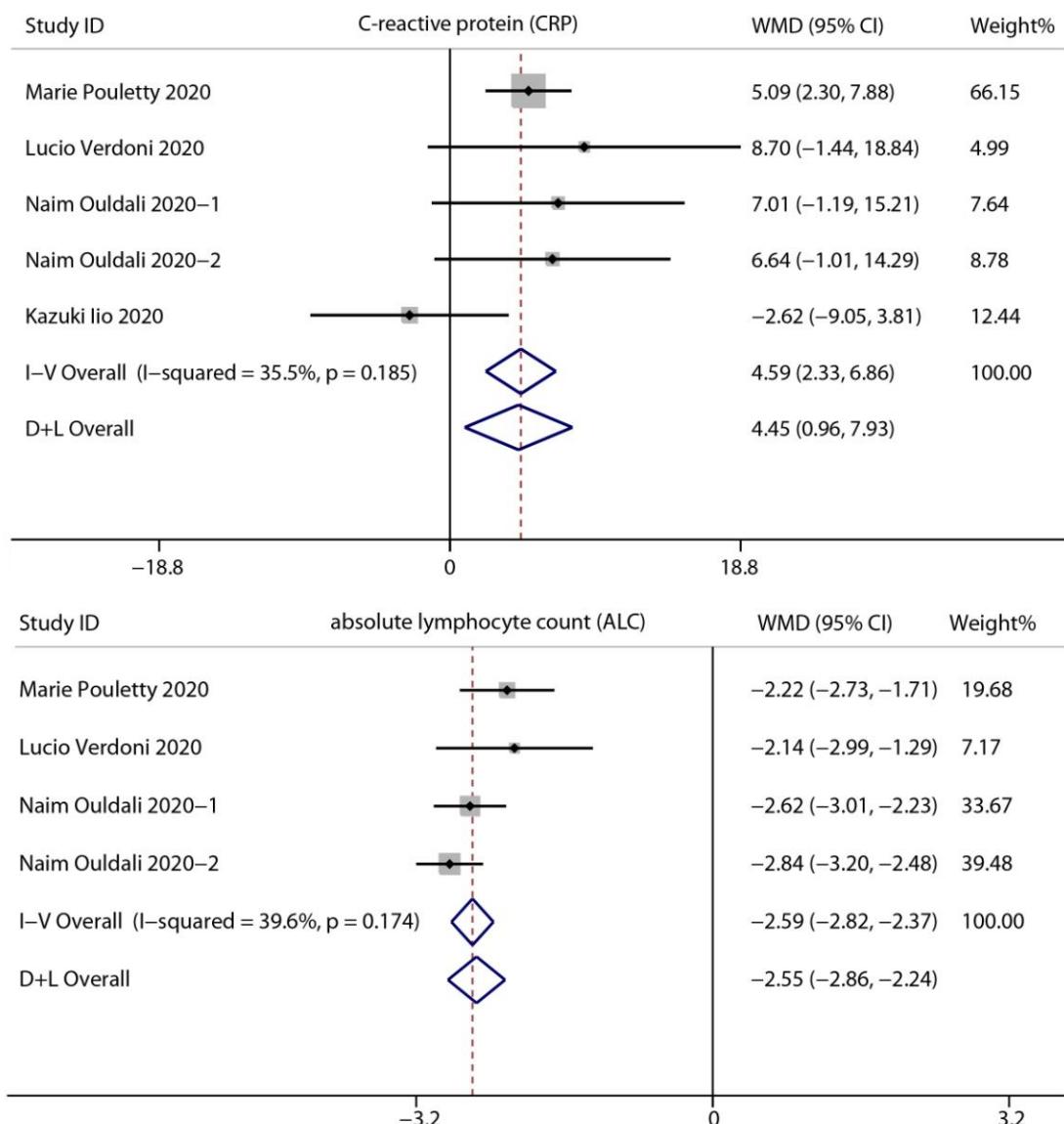
eFigure 4: forest plots of MIS-C vs. KD



eFigure 5: forest plots of severe MIS-C vs. non-severe MIS-C



eFigure 6: forest plots of MIS-C with coronary artery abnormality vs. MIS-C without coronary artery abnormality



eFigure 7: forest plots of KD during SARS-CoV-2 epidemic vs. before SARS-CoV-2 epidemic

eTable in the Supplement

Risk of bias assessment (case-control study)

Risk of bias assessment(cohort study)

0					
Whittaker E 2020	* * *	* *	* *	*	7
Marie Pouletty 2020	* * *	*	* *	*	7
Patrick Davies202 0	* * *	* *	* *	*	7
Rosa Pino2020	* * *	* *	* *	*	8
Juan P. Torres202 0	* * *	* *	* *	*	7
Pui Y. Lee2020	* * *	* *	* *	*	7
Simone Jhaveri20 20	* * *	* *	* *	*	8
L.R. Feldstein2 020	* * *	* *	* *	*	7
Lucio Verdoni20 20	* * *	*	* *	*	7