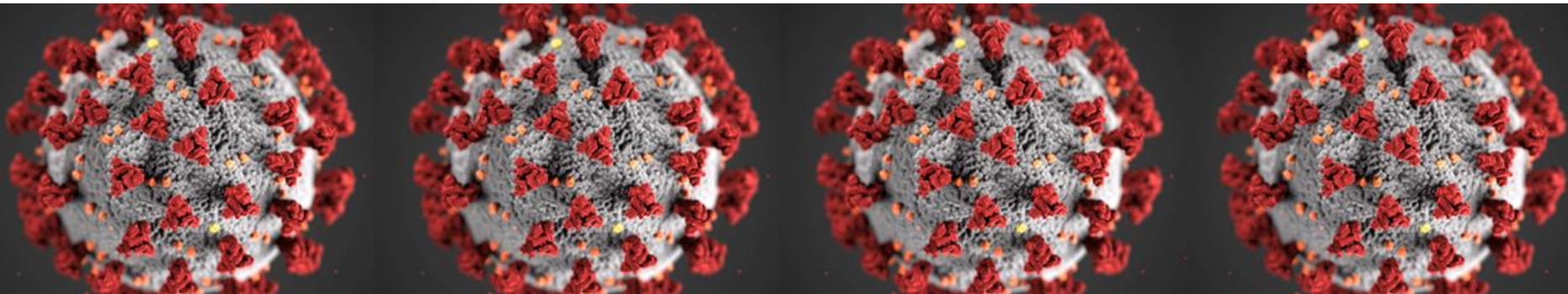


Study 2067: Cas&Im in ambulatory patients with COVID-19

M-XX-00005666



Cas&Im: under clinical investigation for the treatment and prevention of COVID-19



Hospitalised study: 2066



Adaptive trial
(Ph 1/2/3)



Hospitalised COVID-19
patients



IV delivery



Ambulatory study: 2067



Adaptive trial
(Ph 1/2/3)



Ambulatory COVID-19
patients



IV delivery



Post-exposure prophylaxis (PEP) study: 2069



Ph 3 trial



Household contacts (HHCs)
of index patients (IPs) with
COVID-19

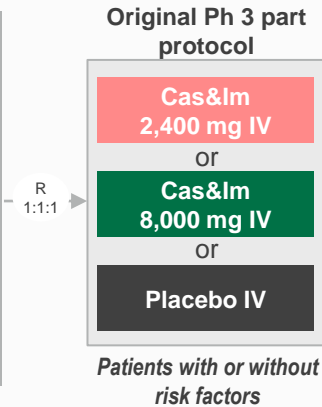


SC delivery

Cas&Im in ambulatory patients with COVID-19

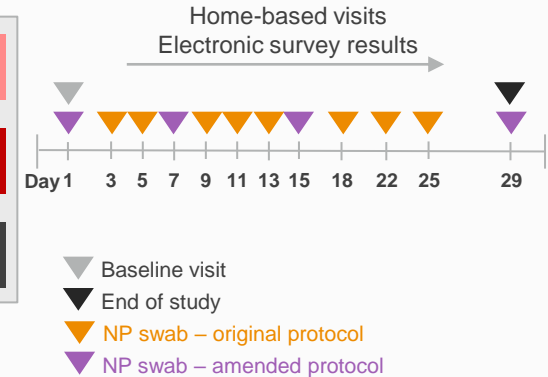
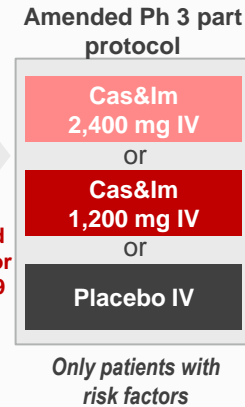
Adaptive trial Phase 3 portion

- Aged ≥ 18 years
 - Ambulatory patients with COVID-19
 - Confirmation of SARS-CoV-2 infection by molecular testing ≤ 72 hours from randomisation
 - COVID-19 symptom onset ≤ 7 days from randomisation
 - Not on any COVID-19 therapies
- Ph 3, N=4,567



Protocol update

- Dosing change
- All patients required to have ≥ 1 risk factor for severe COVID-19



Primary endpoint

- COVID-19–related hospitalisations or all-cause deaths through Day 29

Baseline characteristics in high-risk patients

Baseline characteristic	1,200 mg IV N=736		2,400 mg IV (pooled) N=1,355	
	Corresponding placebo N=748	Corresponding placebo N=1,341	Corresponding placebo N=748	Corresponding placebo N=1,341
Median age (IQR), years	48.5 (37.0–57.5)	48.0 (35.0–57.0)	50.0 (39.0–60.0)	50.0 (37.0–58.0)
Age ≥50 years, %	48.5	47.6	52.8	50.6
Male, %	49.5	47.1	48.4	47.2
Hispanic/Latino, %	42.4	39.4	34.2	35.1
Black/African American, %	5.2	5.1	4.9	4.9
BMI ≥30kg/m ² , %	55.7	57.1	58.1	57.6
Median days of symptoms prior to baseline (IQR)	3 (2–4)	3 (2–5)	3 (2–5)	3 (2–5)
Median viral load, log ₁₀ copies/mL	6.92	6.85	7.01	6.95
Median viral load, million copies/mL	8.4	7.1	10.3	9.0
Viral load >10 ⁶ , %	65	63	68	65
Seronegative, %	68	69	69	69
Seropositive, %	24	22	24	22

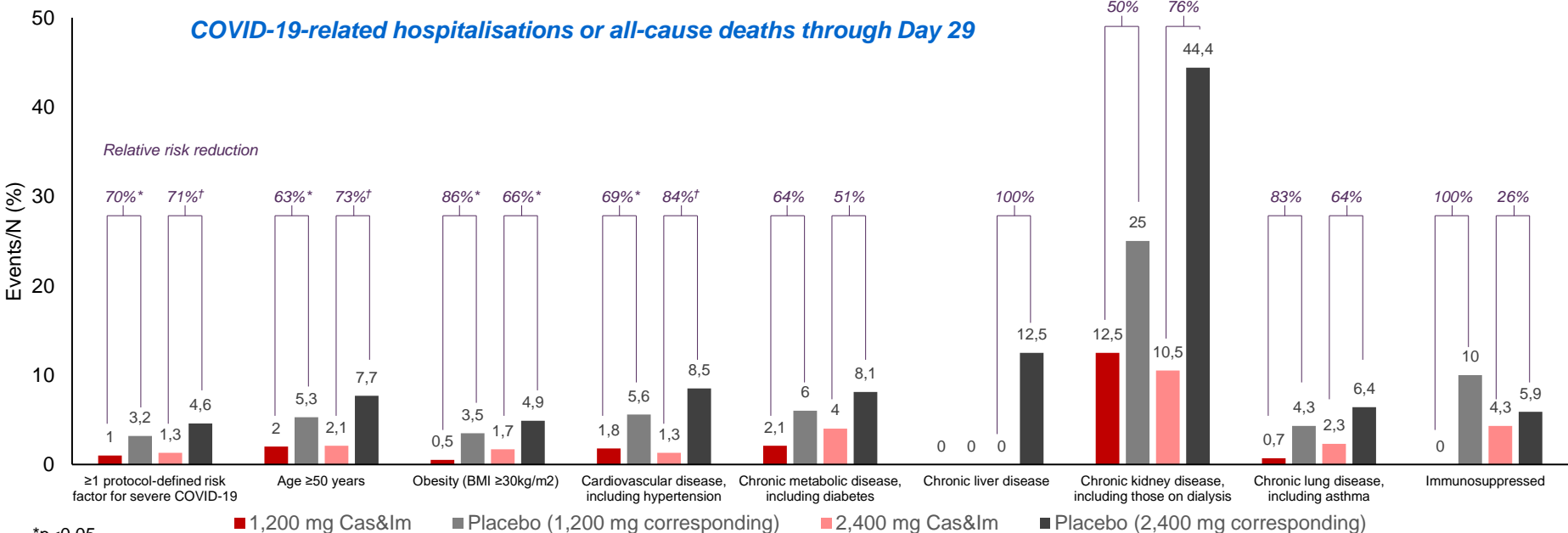
Primary endpoint met: Cas&Im reduced the risk of hospitalisation or death by ~70% compared to placebo

Patients with ≥ 1 COVID-19-related hospitalisation or death through Day 29

	1,200 mg IV n=736	Placebo n=748	2,400 mg IV n=1,355	Placebo n=1,341
n (%)	7 (1.0)	24 (3.2)	18 (1.3)	62 (4.6)
Risk reduction relative	70% (p=0.002)		71% (p<0.001)	

	Placebo n=1,843	1,200 mg IV n=827	2,400 mg IV n=1,849
Deaths, n	5	1	1

Reduction in risk of hospitalisation or death across high-risk subgroups and dose



*p<0.05

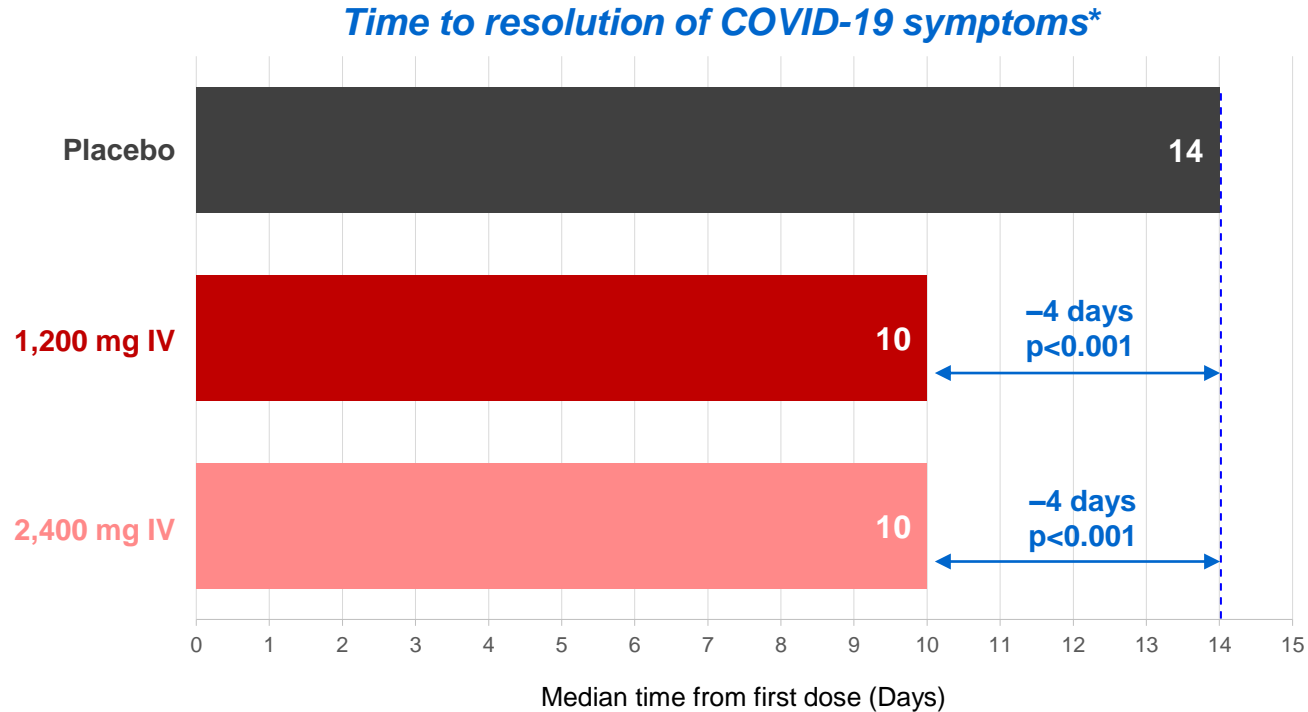
†p<0.001

Shorter hospital stays and lower rate of both admission to ICUs and ventilator support

		1,200 mg IV n=736	Placebo n=748	2,400 mg IV n=1,355	Placebo n=1,341
Days of hospitalisation due to COVID-19	No. of hospitalised patients	7 (1.0%)	24 (3.2%)	18 (1.3%)	62 (4.6%)
	No. of days of hospitalisation per patient, Median (IQR)	4.0 (3.0–6.0)	5.5 (4.0–10.5)	6.0 (3.0–11.0)	7.0 (5.0–13.0)
Proportion of patients admitted to an intensive care unit (ICU)	No. of patients admitted to ICU within 29d	3 (0.4%)	7 (0.9%)	6 (0.4%)	18 (1.3%)
	Relative risk vs placebo (95% CI)	56.4% reduction (-67.8, 88.7)		67.0% reduction (17.2, 86.9)	
Proportion of patients requiring mechanical ventilation (MV)	No. of patients requiring MV within 29d	1 (0.1%)	2 (0.3%)	1 (<0.1%)	6 (0.4%)
	Relative risk vs placebo (95% CI)	49.2% reduction (-459.2, 95.4)		83.5% reduction (-36.8, 98.0)	

Cas&Im was also associated with a lower proportion of patients with COVID-19-related hospitalisation, emergency room visits, or all-cause death through Day 29 and patient requiring any medically-attended visit for worsening COVID-19 (hospitalisation, emergency room visit, urgent care visit or physician office/telemedicine visit) or all-cause death

Cas&Im reduced duration of symptoms by 4 days compared to placebo



Safety profile

Adverse events, n (%)	Placebo (N=1,843)	1,200 mg IV (N=827)	2,400 mg IV (N=1,849)	8,000 mg IV (N=1,012)
AESI: infusion-related reaction Grade ≥ 2 through Day 4	0	2 (0.2)	1 (<0.1)	3 (0.3)
AESI: hypersensitivity reaction Grade ≥ 2 through Day 29	1 (<0.1)	0	1 (<0.1)	0
Patients with any SAE (occurring in >1 patient)*	74 (4.0)	9 (1.1)	24 (1.3)	17 (1.7)
Respiratory, thoracic and mediastinal disorders	22 (1.2)	1 (0.1)	7 (0.4)	5 (0.5)
Infections and infestations	48 (2.6)	5 (0.6)	14 (0.8)	12 (1.2)
Metabolism and nutrition disorders	4 (0.2)	0	0	0
Deaths	5 (0.3)	1 (0.1)	1 (<0.1)	0

Includes all patients enrolled in study

*SAEs occurred more frequently in the placebo group as compared to any Cas&Im dose group and were consistent with COVID-19 and associated complications

SAE, serious adverse event; AESI Adverse events of special interest

Key messages



In high-risk ambulatory patients, Cas&Im led to significant improvements in all key clinical and virological endpoints

- Reduced risk of hospitalisation or death by ~70%
- Reduced duration of symptoms by 4 days vs placebo
- Reduced viral load more rapidly than placebo



Benefits were observed regardless of serostatus or baseline viral load



Cas&Im was generally well tolerated

References

- NCT04425629. Available at: <https://clinicaltrials.gov/ct2/show/NCT04425629>.
- NCT04426695. Available at: <https://clinicaltrials.gov/ct2/show/NCT04426695>.
- NCT04452318. Available at: <https://clinicaltrials.gov/ct2/show/NCT04452318>.
- Weinreich DM, et al. *N Engl J Med* 2021; <https://www.nejm.org/doi/full/10.1056/NEJMoa2108163>
- Weinreich DM et al. *N Engl J Med* 2021; <https://www.nejm.org/doi/10.1056/NEJMoa2035002>

***Doing now what patients
need next***