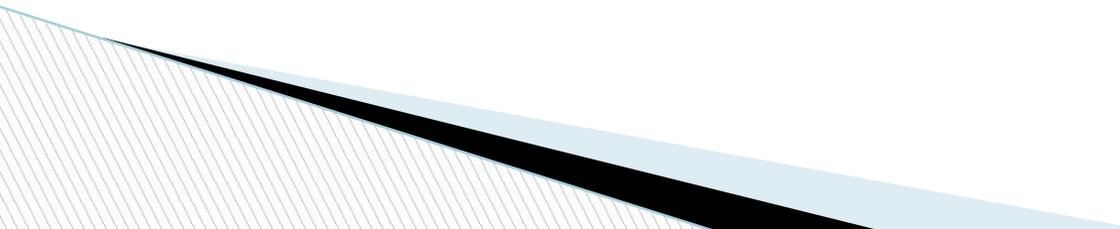




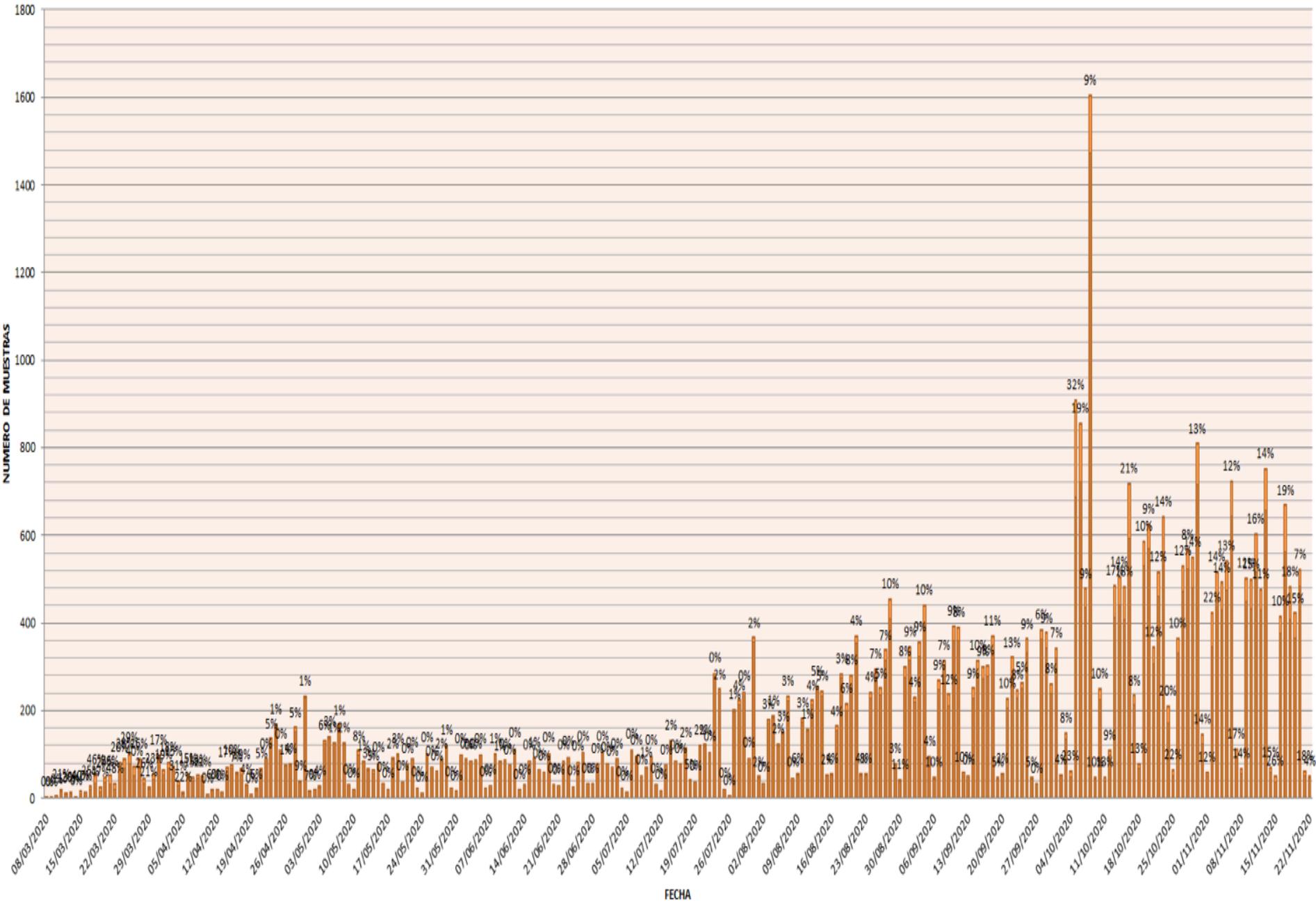
SARS-CoV-2

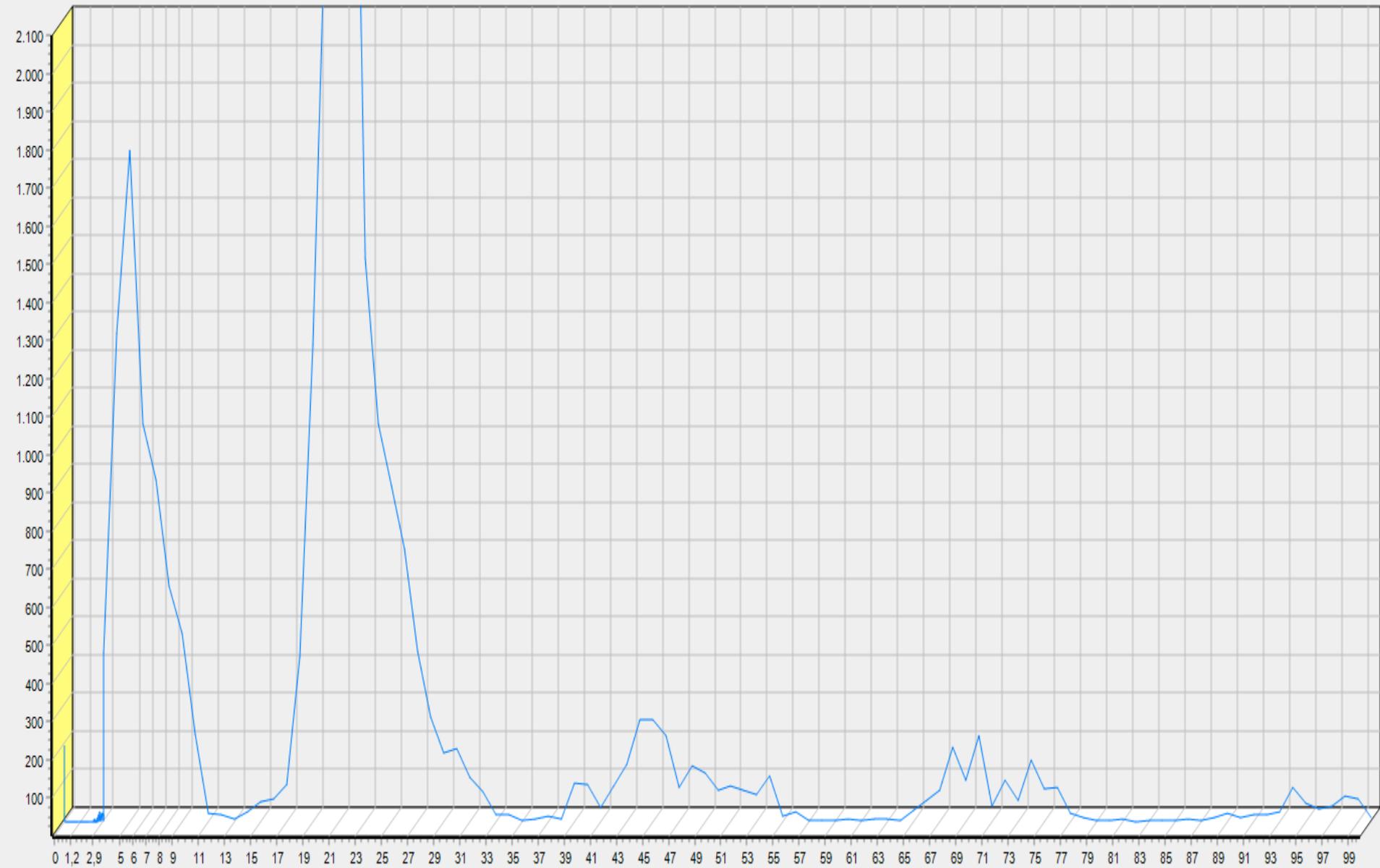
Servicio Análisis Clínicos y Microbiología

DESCUBRIENDO QUE ESTAMOS EN PANDEMIA

- 26/02/2020 Paciente de Gilet
 - 01/03/2020 Urgencias
 - 04/03/2020 Hospital
 - 11/03/2020 Hospital confirmado y Sanitarios
- 

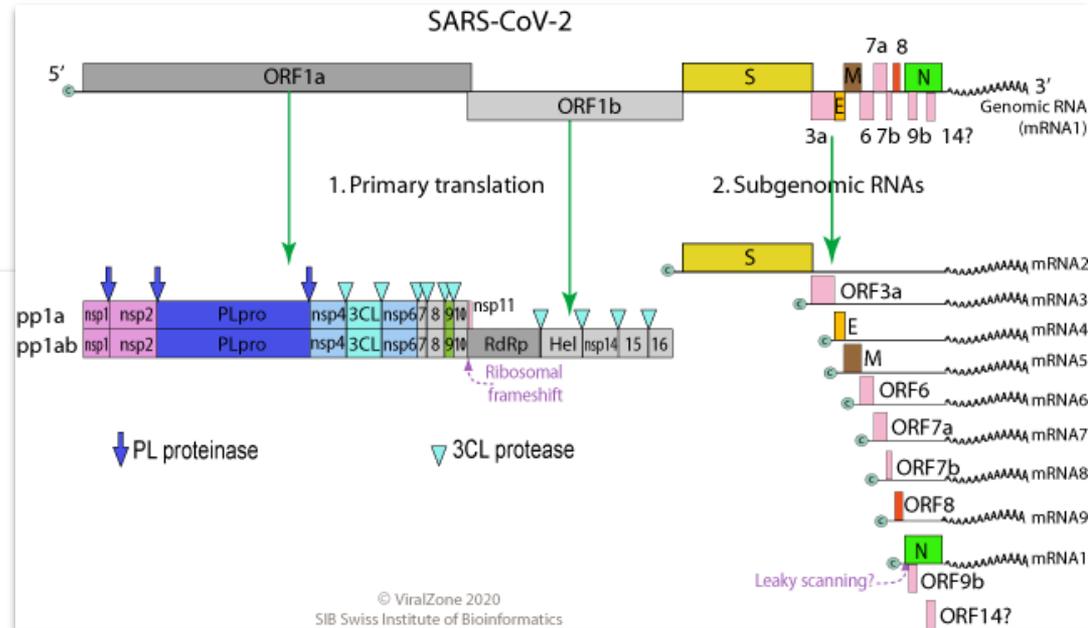
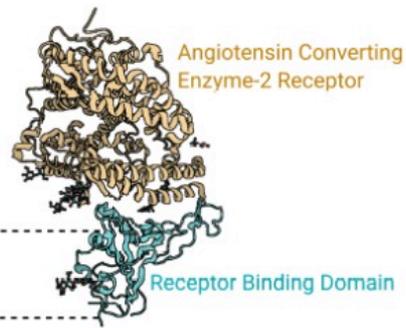
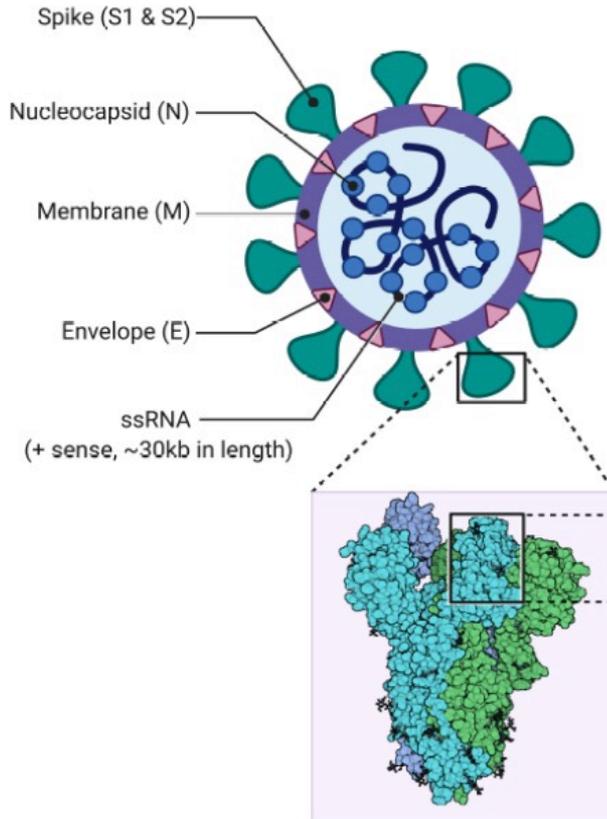
■ Nº MUESTRAS POR DÍA ■ POSITIVO ■ %





EL AGENTE

SARS-CoV 2 Structure



DEFINICIÓN DE MUESTRAS

- Técnica diagnóstica: RT-PCR Cualitativa
- Medio de recogida: Torunda “sintética” con medio líquido
- Muestra de elección: exudado nasofaríngeo

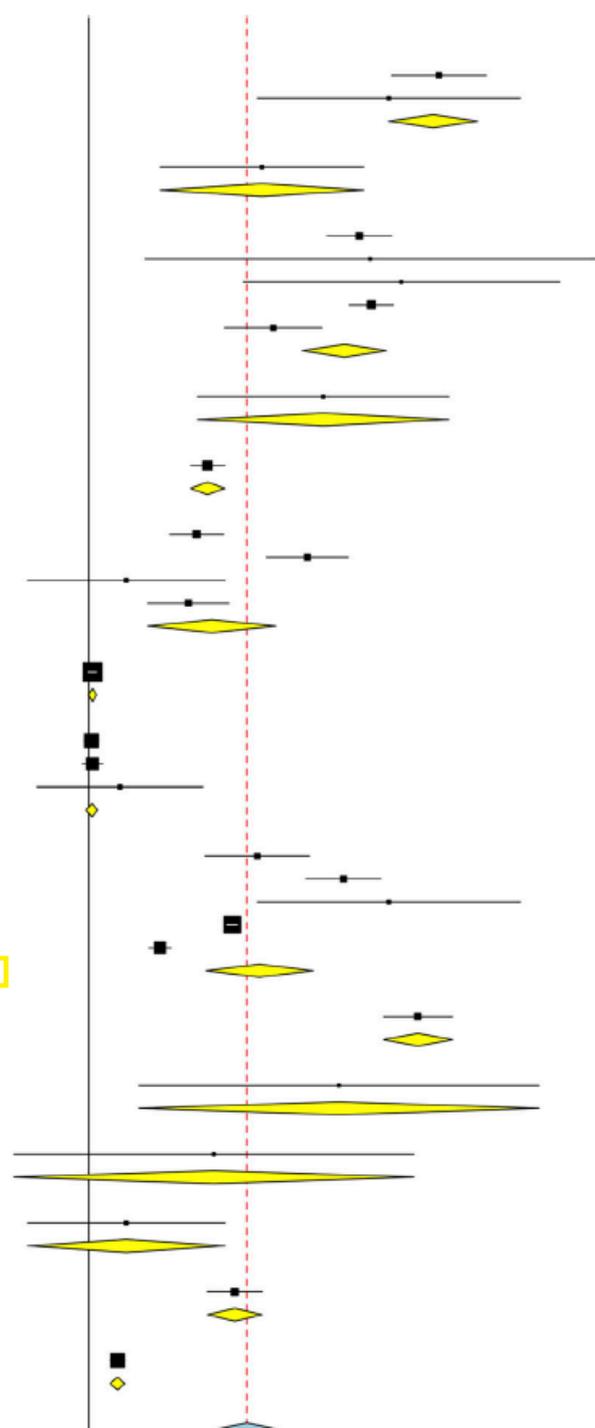
DOI: 10.1002/jmv.26349

REVIEW

Detection profile of SARS-CoV-2 using RT-PCR in different types of clinical specimens: A systematic review and meta-analysis

George M. Bwire¹  | Mtebe V. Majigo² | Belinda J. Njoro² | Akili Mawazo³

Studies	Estimate (95% C.I.)	Positive test/Total
Wang_Bronchoalveolar lavage fluid	0.933 (0.807, 1.060)	14/15
Liu_Bronchoalveolar lavage fluid	0.800 (0.449, 1.151)	4/5
Subgroup Bronchoalveolar lavage fluid (I²=0 %, P=0.483)	0.918 (0.799, 1.037)	18/20
Wang_Fibrobronchoscope brush biopsy	0.462 (0.191, 0.733)	6/13
Subgroup Fibrobronchoscope brush biopsy (I²=NA, P=NA)	0.462 (0.191, 0.733)	6/13
Wang_Sputum	0.721 (0.635, 0.807)	75/104
Lo_Sputum	0.750 (0.150, 1.350)	1/1
Chan_Sputum	0.833 (0.412, 1.255)	2/2
Chen_Sputum	0.752 (0.693, 0.811)	155/206
Liu_Sputum	0.491 (0.361, 0.621)	28/57
Subgroup Sputum (I²=6992 %, P=0.010)	0.681 (0.569, 0.794)	261/370
Wang_Nasal swabs	0.625 (0.290, 0.960)	5/8
Subgroup Nasal swabs (I²=NA, P=NA)	0.625 (0.290, 0.960)	5/8
Wang_Pharyngeal swabs	0.317 (0.271, 0.362)	126/398
Subgroup Pharyngeal swabs (I²=NA, P=NA)	0.317 (0.271, 0.362)	126/398
Wang_Feces	0.288 (0.216, 0.359)	44/153
Lo_Stool	0.582 (0.474, 0.691)	46/79
Chan_Stool	0.100 (-0.163, 0.363)	0/4
Chen_Feces	0.266 (0.157, 0.374)	17/64
Subgroup Feces (I²=8852 %, P=0.000)	0.328 (0.158, 0.498)	107/300
Wang_Blood	0.010 (-0.001, 0.021)	3/307
Subgroup Blood (I²=NA, P=NA)	0.010 (-0.001, 0.021)	3/307
Wang_Urine	0.007 (-0.012, 0.026)	0/72
Lo_Urine	0.010 (-0.018, 0.038)	0/49
Chan_Urine	0.083 (-0.138, 0.304)	0/5
Subgroup Urine (I²=0 %, P=0.787)	0.008 (-0.007, 0.024)	0/126
Xu_Nasopharyngeal swab	0.449 (0.310, 0.588)	22/49
Lo_Nasopharyngeal swab	0.679 (0.579, 0.778)	57/84
Chan_Nasopharyngeal swab	0.800 (0.449, 1.151)	4/5
Liu-Nasopharyngeal swab	0.383 (0.369, 0.396)	1843/4818
Wang_Nasopharyngeal swab	0.190 (0.161, 0.219)	134/706
Subgroup Nasopharyngeal swab (I²=9788 %, P=0.000)	0.455 (0.312, 0.597)	2060/5662
Xu_Rectal swab	0.878 (0.786, 0.969)	43/49
Subgroup Rectal swab (I²=NA, P=NA)	0.878 (0.786, 0.969)	43/49
Chan_Throat swab	0.667 (0.133, 1.200)	2/3
Subgroup Throat swab (I²=NA, P=NA)	0.667 (0.133, 1.200)	2/3
Chan_Serum	0.333 (-0.200, 0.867)	1/3
Subgroup Serum (I²=NA, P=NA)	0.333 (-0.200, 0.867)	1/3
Chan_Plasma	0.100 (-0.163, 0.363)	0/4
Subgroup Plasma (I²=NA, P=NA)	0.100 (-0.163, 0.363)	0/4
Chen_Pharyngeal swab	0.389 (0.315, 0.463)	65/167
Subgroup Pharyngeal swab (I²=NA, P=NA)	0.389 (0.315, 0.463)	65/167
Wang_Oropharyngeal swab	0.076 (0.057, 0.096)	54/706
Subgroup Oropharyngeal swab (I²=NA, P=NA)	0.076 (0.057, 0.096)	54/706
Chan_Serum (I ² =0.010 %, P=0.920)	0.333 (-0.200, 0.867)	1/3



26/02/2020

16/03/2020



24/03/2020



11/04/2020



24/03/2020

10/03/2020



Hospital Clínic
Universitari de València

04/05/2020

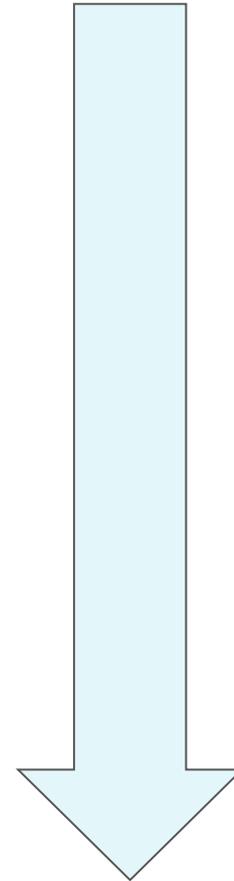


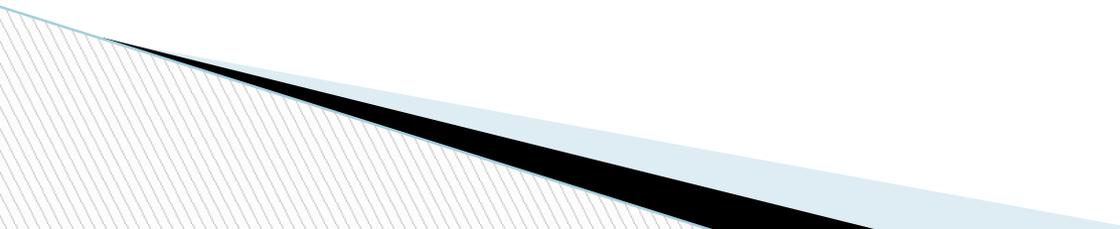
HOSPITAL DE SAGUNT Y C.E

20/05/2020

¿PCR GOLD? - RECURSOS

- RT-PCR Cuantitativa
 - Conservación
 - Inactivación
 - Extracción ARN
 - Amplificación (RT-PCR)
 - Interpretación
- Ac por Inmunocromatografía
- PCR Rápida
- Ac por Enzimoimmunoensayo
- Ag por Inmunocromatografía



- Elevada competencia por los recursos
 - Falta de materiales
 - Recogida de muestras
 - Fungibles plásticos
 - Equipamiento técnico
 - Adaptación
 - Proveedores sobrepasados
- 

PERSPECTIVAS

- TÉCNICAS ANTIGÉNICAS
 - Uso adecuado
- TÉCNICAS MOLECULARES MULTIPATÓGENO
 - INFLUENZA/CORONAVIRUS
 - Paneles Sindrómicos

Seguimos....