



ISUOG

Virtual World Congress

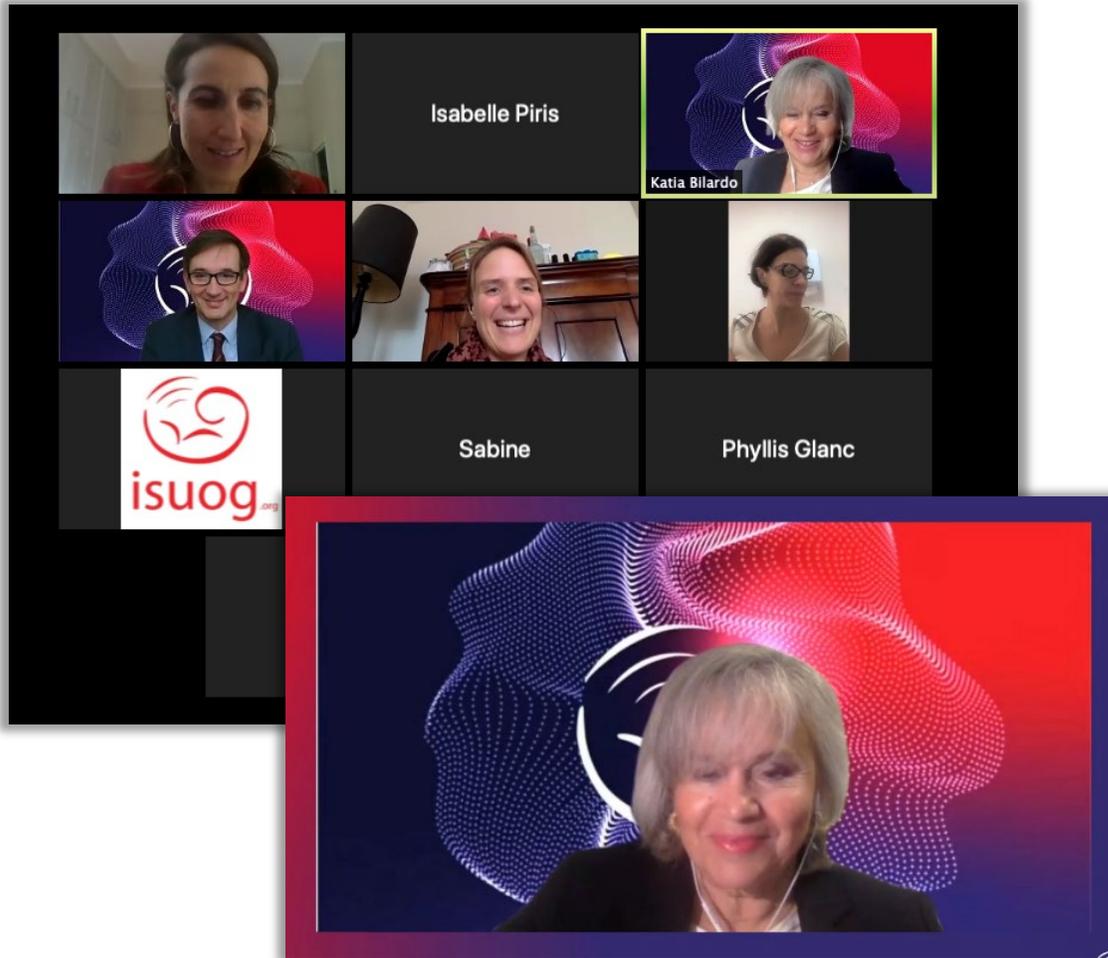
ON ULTRASOUND IN OBSTETRICS
AND GYNECOLOGY

16–18 OCTOBER 2020

Congress Report



Introduction



ISUOG's 30th World Congress was our first virtual Congress. We offered delegates the opportunity to present their latest research, meet the brightest minds and participate in sessions on the most cutting-edge topics, online. Even at this challenging time, delegates could chat with other delegates and faculty, connect with exhibitors, and enjoy social events.

A special thank you goes to our Glasgow Chairs, Stuart Campbell and Alan Cameron, the Scientific Committee, faculty, sponsors and exhibitors, who embraced the change to create an incredible virtual program and event.

Dr Caterina Bilardo, ISUOG President 2018-2020



Congress numbers at a glance



3 day Congress
5 stream program
16 keynote speakers
18 masterclasses
18 workshops
18 oral communication sessions (with 149 oral communication presentations)
32 Hub sessions
898 virtual posters (71 posters in Hub discussions)
8 live scans and scan demonstrations
10 Travel Grant winners
27 industry webinars and 1 satellite symposia



ISUOG Virtual World Congress
ON ULTRASOUND IN OBSTETRICS AND GYNECOLOGY
Program (subject to change)

Global Time Zones

Time	New York	Los Angeles	London	Paris	Madrid	Rome	Beijing	Sydney
07:45	14:00-14:45	17:00-17:45						
08:00	14:45-15:00	17:45-18:00						
08:30	15:00-15:30	18:00-18:30						
08:45	15:30-16:45	18:30-18:45						
10:10	16:40-17:10	18:40-20:10						
11:20	17:20-18:30	20:20-21:20						
11:30	18:30-18:30	21:20-21:30						
12:10	18:30-19:10	21:30-22:10						
14:10	19:10-21:00	22:10-20:00(+1)						
15:40	21:30-22:40	00:10-01:40(+1)						
16:50	22:40-22:50	01:40-01:50(+1)						
18:50	22:50-23:50	01:50-02:50(+1)						
17:00	23:50-00:00	02:50-03:00(+1)						
17:40	00:00-00:40(+1)	03:00-03:40(+1)						

Friday 16 October 2020

Time	Auditorium 1	Auditorium 2	Auditorium 3	Hub 1	Hub 2
07:45				Wellbeing session	Wellbeing session
08:00					
08:30					
08:45					
10:10					
11:20					
11:30					
12:10					
14:10					
15:40					
16:50					
18:50					
17:00					
17:40					

Sunday 18 October 2020

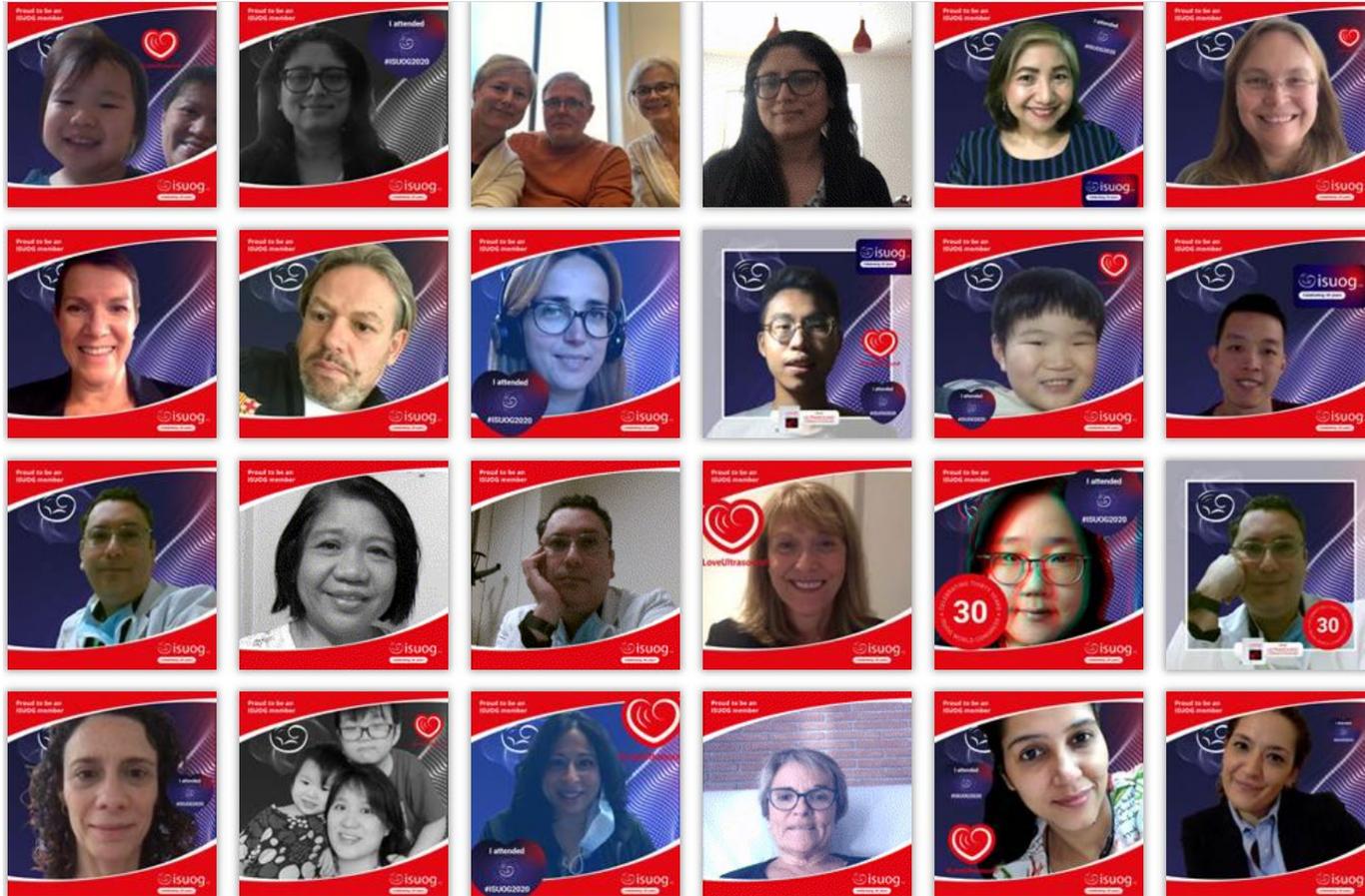
Time	Auditorium 1	Auditorium 2	Auditorium 3	Hub 1
07:45				Wellbeing session
08:00				
08:30				
08:45				
10:10				
11:20				
11:30				
12:10				
14:10				
15:40				
16:50				
18:50				
17:00				
17:40				
18:20				

Saturday 17 October 2020

Time	Auditorium 1	Auditorium 2	Auditorium 3	Hub 1	Hub 2
07:45				Wellbeing session	Wellbeing session
08:00					
08:30					
08:45					
10:10					
11:20					
11:30					
12:10					
14:10					
15:40					
16:50					
18:50					
17:00					
17:40					
18:20					



Registration statistics

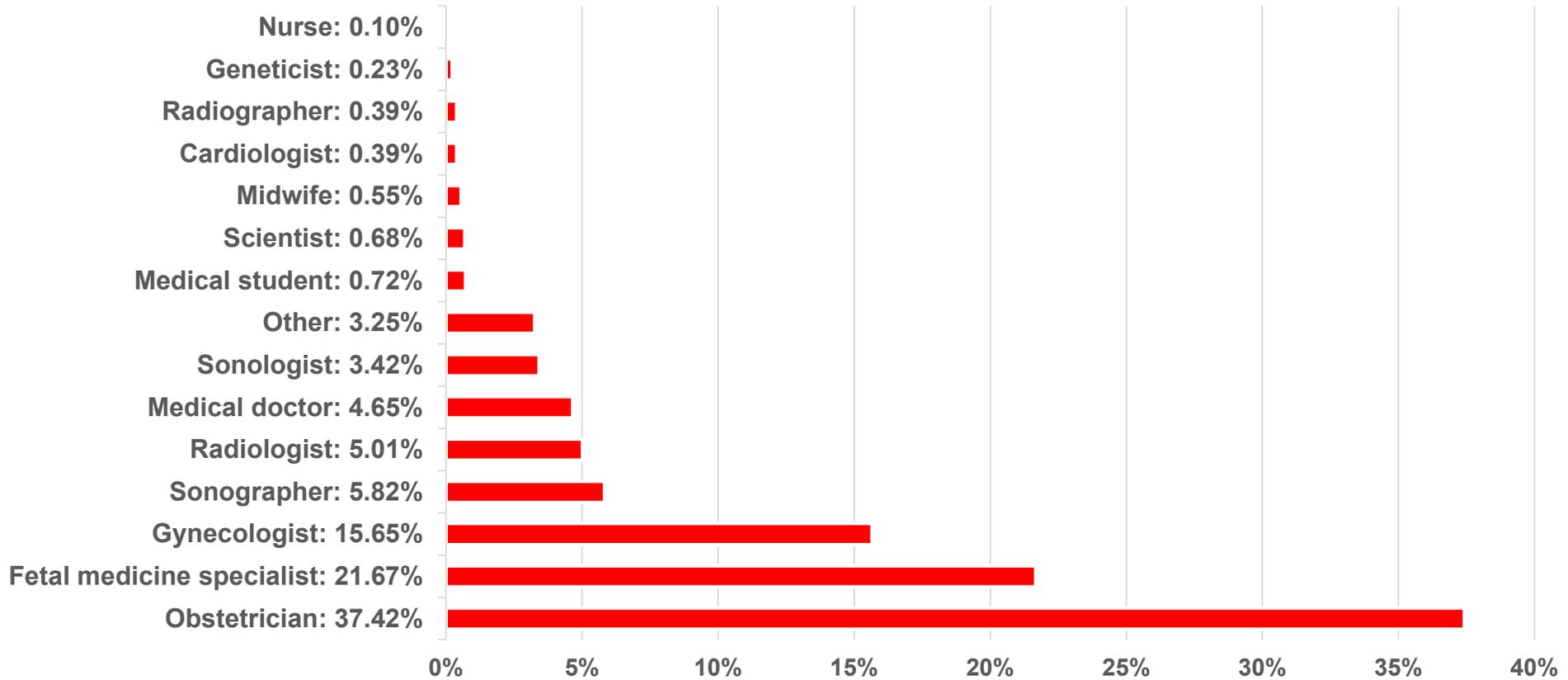


Paid registrations:	2995
Complimentary registrations:	296
Exhibitor passes (scientific):	68
Exhibitor passes (booth):	70
Grand total:	3429



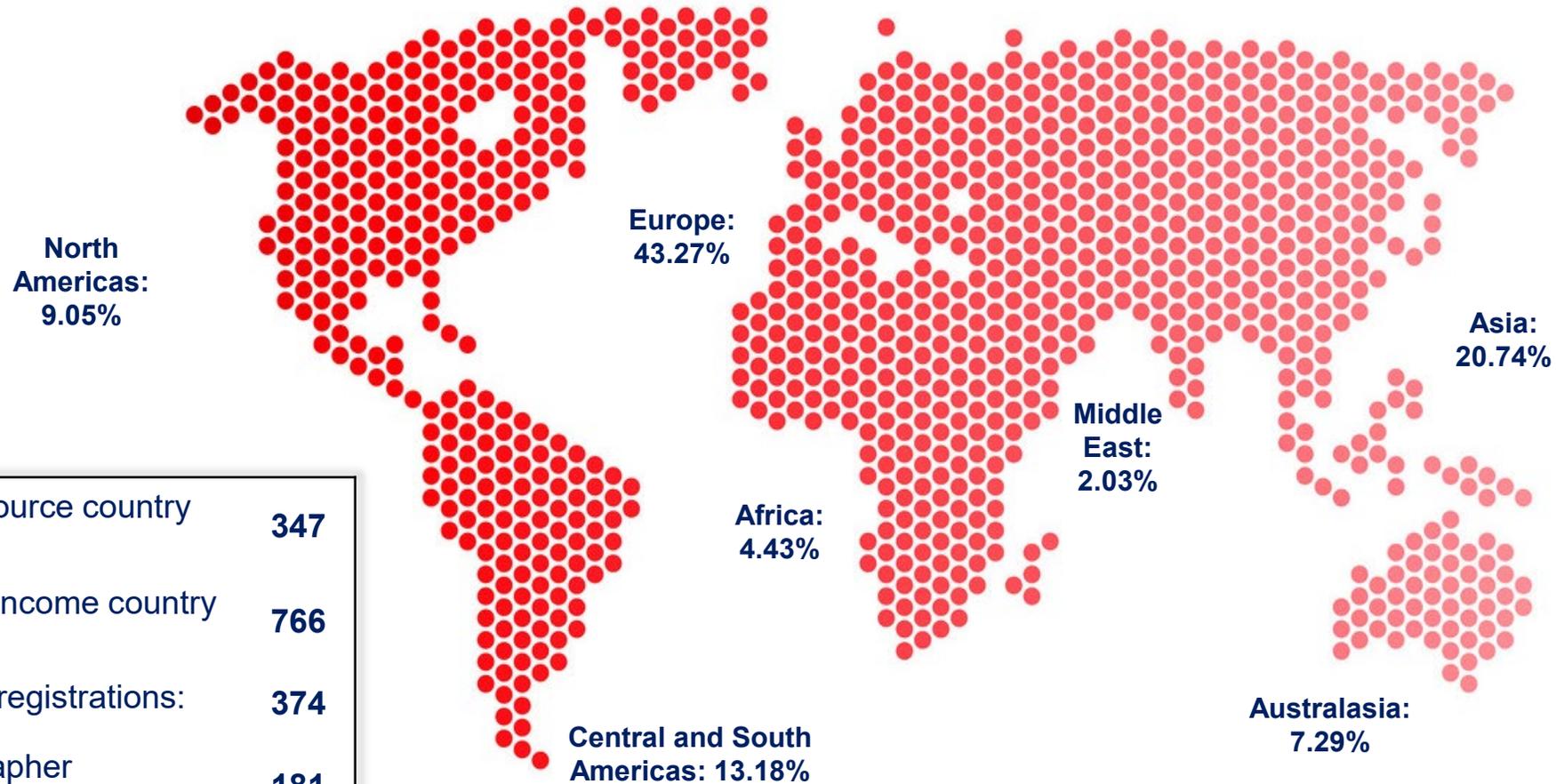
Delegates by profession

Delegates by profession/speciality





Delegates by geography



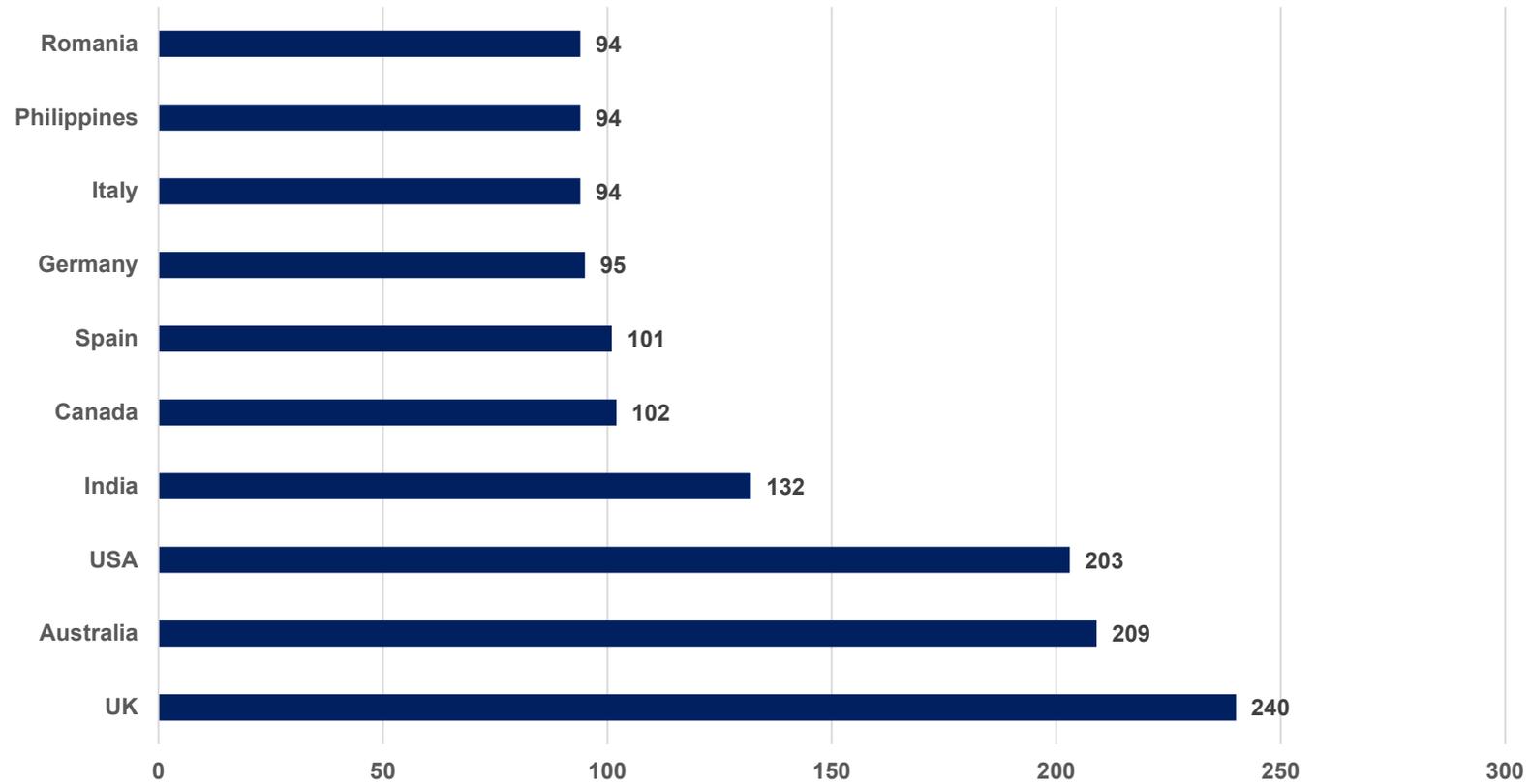
Delegates from:
122 countries

Total low resource country registrations:	347
Total middle income country registrations:	766
Total trainee registrations:	374
Total sonographer registrations:	181



Top 10 countries

Top ten countries registered





Abstract statistics

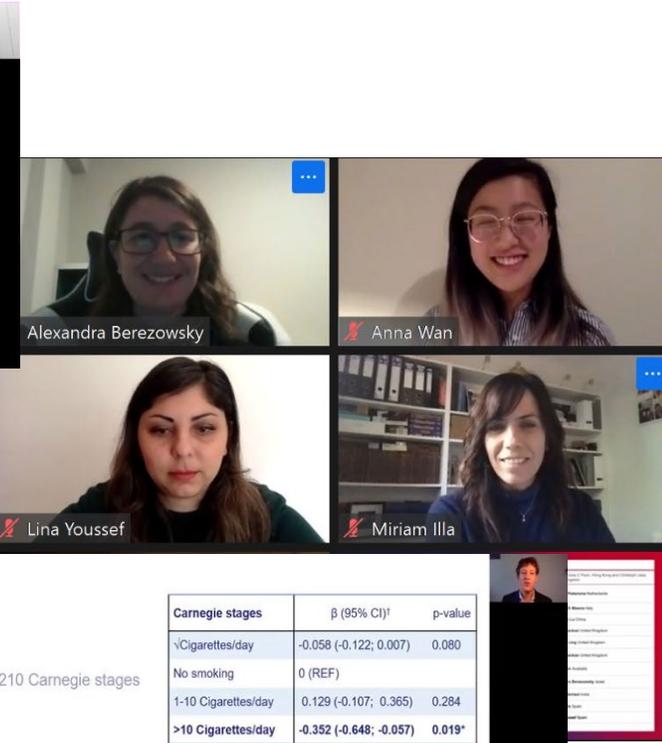
- 1281 total submitted abstracts
- 1046 total presented abstracts
- 898 virtual posters
- 148 oral communications
- 6 top abstracts

Results (2)

Color content & vessel morphology per IETA score

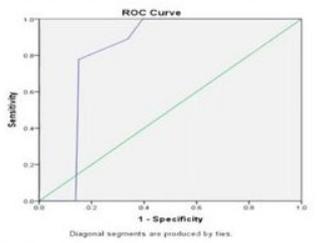
VARIABLE	Color score 1		Color score 2	
	ENDOMETRIAL CANCER ONLY	NO MALIGNANCY	ENDOMETRIAL CANCER ONLY	NO MALIGNANCY
Irregularly branching vessels	0/12 0%	0/807 0%	1/25 4%	1/558 0.2%
Color splashes	0/12 0%	0/807 0%	1/25 4%	1/558 0.2%
VAS color score	0 (±0)	0 (±0)	6.3 (±4.5)	6.4 (±5)
Mean (±SD)				
Median (IQR)	0 (0-0)	0 (0-0)	6 (3-10)	5 (3-9)
% calculated as fraction of subtotals per outcome				

VARIABLE	Color score 3		Color score 4	
	ENDOMETRIAL CANCER ONLY	NO MALIGNANCY	ENDOMETRIAL CANCER ONLY	NO MALIGNANCY
Irregularly branching vessels	12/30 40%	17/295 5.8%	20/31 64.8%	13/33 39.4%
Color splashes	5/30 16.7%	7/295 2.4%	15/31 48.4%	2/33 6.1%
VAS color score	29.9 (±20.3)	21.8 (±16.4)	52.3 (±34.1)	52.2 (±25.8)
Mean (±SD)				
Median (IQR)	32.5 (12.8-38)	20 (7-33)	63 (14.5-78.5)	63 (48-70)
% calculated as fraction of subtotals per outcome				



Results

TABLE 1: RECEIVER OPERATOR CHARACTERISTICS CURVE DEPICTING CRITICAL CERVICAL LENGTH



The critical cervical length is 2.14 cm which has a sensitivity of 88.9% (0.889) and specificity of 66.3% (0.663) where 80% of patients achieved vaginal delivery within 12 hours.

The test result variable(s): ULTRASOUND CERVICAL LENGTH has at least one tie between the positive actual state group and the negative actual state group.

a. The smallest cutoff value is the minimum observed test value minus 1, and the largest cutoff value is the maximum observed test value plus 1.

TABLE 2: COORDINATES OF THE CURVE DEPICTING SEN

Positive if Greater Than or Equal To ^a	Sensitivity	1 - Specificity
200	1.000	1.000
1.300	1.000	0.942
1.500	1.000	0.779
1.700	1.000	0.616
1.900	1.000	0.512
2.050	1.000	0.395
2.140	0.889	0.337
2.250	0.778	0.151
2.350	0.000	0.140
2.500	0.000	0.012
3.600	0.000	0.000

The null hypothesis was accepted because the p value 0.002 which is < 0.05, indicating there is a statistically significant relationship between the Critical Cx Lt and induction to delivery interval.

The test result variable(s): ULTRASOUND CERVICAL LENGTH has at least one tie between the positive actual state group and the negative actual state group.

a. Under the nonparametric assumption b. Null hypothesis: true area = 0.5

TABLE 4 TABLE SHOWING CORRELATION BETWEEN CERVICAL LENGTH AND INDUCTION TO DELIVERY INTERVAL

CORRELATION COEFFICIENT r	P VALUE
0.416	0.002

Results

689 pregnancies → 1210 Carnegie stages

>10 cigarettes / day = 10.7 days

Carnegie stages	β (95% CI) [†]	p-value
√Cigarettes/day	-0.058 (-0.122; 0.007)	0.080
No smoking	0 (REF)	
1-10 Cigarettes/day	0.129 (-0.107; 0.365)	0.284
>10 Cigarettes/day	-0.352 (-0.648; -0.057)	0.019*

*p < 0.05. †Adjusted for gestational age, alcohol use, educational level, folic acid use, age, conception method, ethnicity, fetal gender, maternal BMI, parity and vitamin use



Abstract topics

Obstetrics

Screening for pregnancy complications (stillbirth, preterm birth, pre-eclampsia)	100
Screening of chromosomal anomalies (incl. cell free DNA and genomics)	61
Fetal brain and CNS anomalies	82
Fetal heart, CHD and cardiac functions	81
Fetal disease and structural abnormalities	163
Fetal growth: normal and abnormal	91
Multiple pregnancy	51
Spectrum of placenta accreta disorders	31
Ultrasound in the labour ward	38
Fetal interventions	61
Safety, education, simulation and other innovations	30
Coronavirus	30

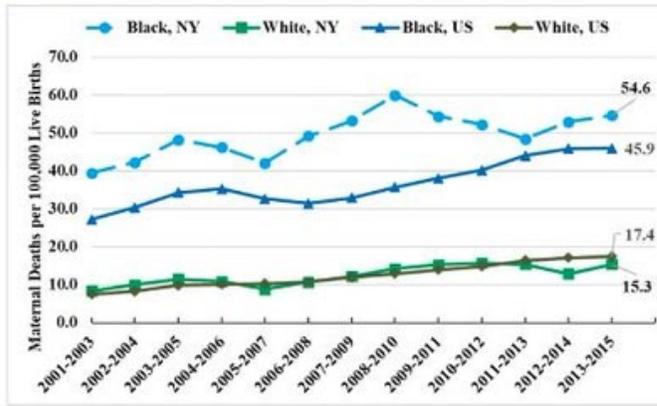
Gynecology

Early pregnancy complications	39
Early pregnancy development and placentation	6
Managing ovarian masses	26
Pelvic pain and endometriosis	48
Reproductive medicine	28
Bleeding, endometrial and myometrial pathology	29
Imaging in oncology	29
Ultrasound and fertility preservation	3
Urogynecology	9



Scientific program – leading international faculty

Trends in Maternal Mortality in Vital Records



cdc.gov/

[Plenary] Closing Plenary
Sunday 18 October 6:20 PM – 7:25 PM

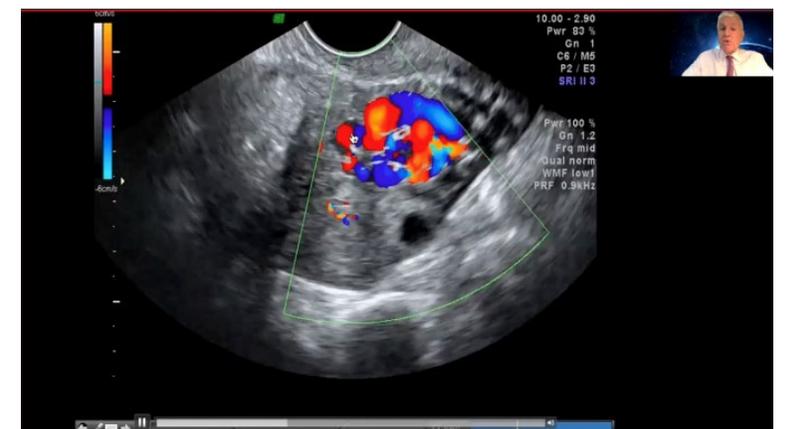
6:20 PM	Co-char	Tom Bourne United Kingdom
6:25 PM	Is it possible to make a diagnosis of less common ovarian tumours on ultrasound?	Antonia Testa Italy
6:50 PM	Q&A	
6:55 PM	The impact of the microbiome on pregnancy: from miscarriage to preterm	Phillip Bennett United Kingdom
7:20 PM	Q&A	

Tom Bourne

@GeorgeCondous

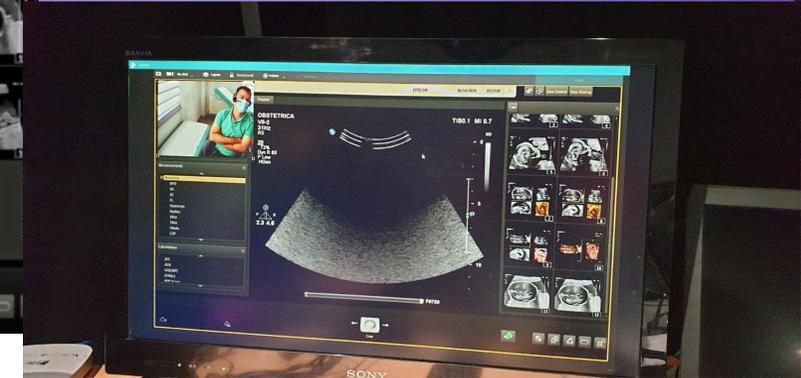
Phillip Bennett

Antonia Testa





Scientific program – scan demonstrations and live scans





Scientific program – interactive sessions (including Q&A, polls, debates, panels and meet the experts)

The image displays a collage of virtual meeting screens. On the left, a grid of participant video feeds includes: Jill Tjon, Johanna de Vries, Andrew Ngu, Simon Meagher, Rabih Chaoul, Jehan Karim, and Reuven Achiron. In the center, a poll window titled "Host is sharing poll results" is shown with the question "1. Ultrasound in the labour ward?". The poll results are: For 83% and Against 17%. On the right, a video feed of Gregor Kaspran, M.D., Associate Professor of Radiology at the Medical University of Vienna, is visible. Other participants shown include Rituko Pooh, Lisa Hui, Yves Ville, Shlomo Lipitz, and Francois Audibert.

Response	Percentage
For	83%
Against	17%



Scientific program - on demand

Session and individual presentation recordings were made available on demand after session aired live.

Congress platform available for 1 month after live event, until 17 November 2020. Select materials available on ISUOG website after this.





Awards and grants

Awards from the 30th World Congress:

The Ian Donald Gold Medal: *Davor Jurkovic*

The Stuart Campbell Award for Education: *Philippe Jeanty*

Scientific Awards in the following categories were presented:

Top Abstract: *Francesca Russo (Belgium)*

Young Investigator – Gynecology: *Filip Christiansen (Sweden)*

Young Investigators – Obstetrics: *Carmen Garrido-Gimenez (Spain), Hua Zen Ling (UK)*

For more details please see the website: <https://www.isuog.org/about-us/awards/scientific-awards/2020-congress-awards.html>



Our Travel Grant Winners

Yusif Yakub

Nicole Evelyn Osaji

Ekta Jaiswal

Heritier Gashema

Angela Etyang

Doaa Emam

Ibraheem Olayemi Awowole

María Mercedes Judith Ancheta Gonzalez

Lydia Akinyi Akumu

Riwaz Acharya





Exhibition and sponsorship

20 virtual booths
27 industry webinars

Thank you to our exhibitors



PHILIPS

Canon

HITACHI
Inspire the Next

mindray
healthcare within reach

natera
Conceive. Deliver. Thrive.

Momenta

illumina



Tristel

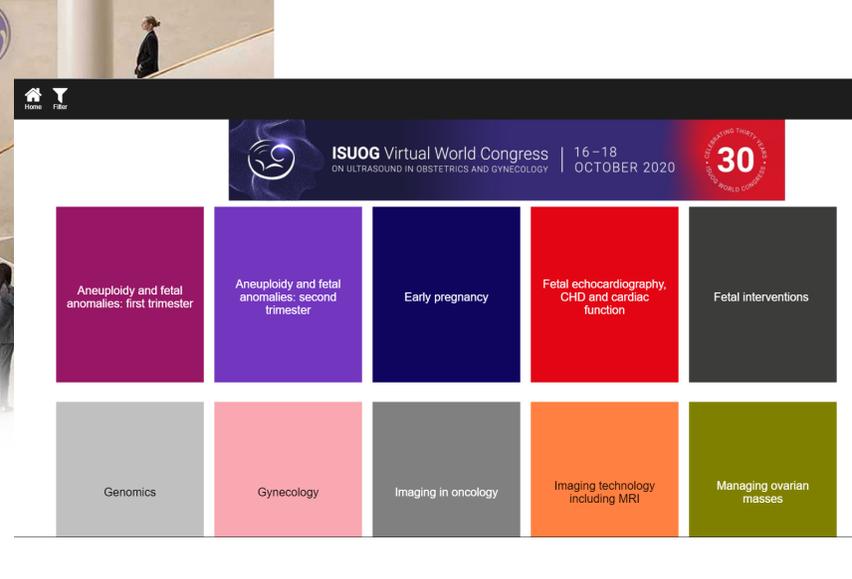
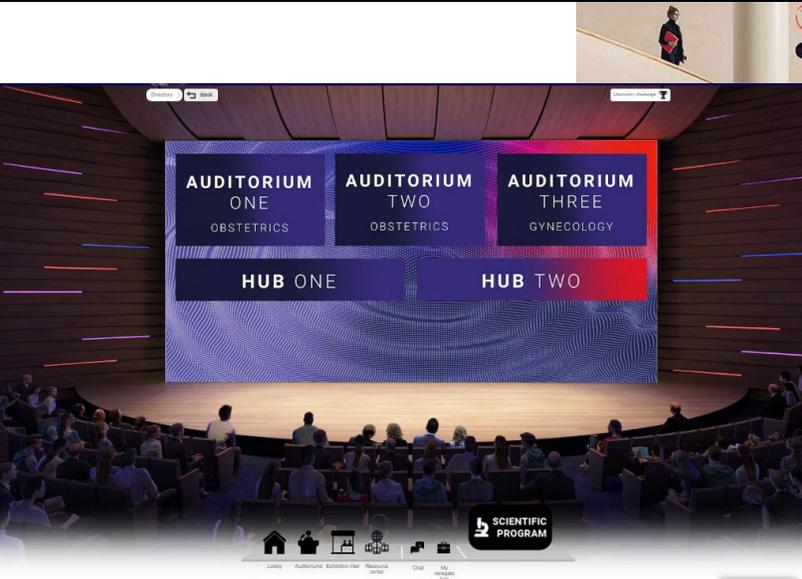
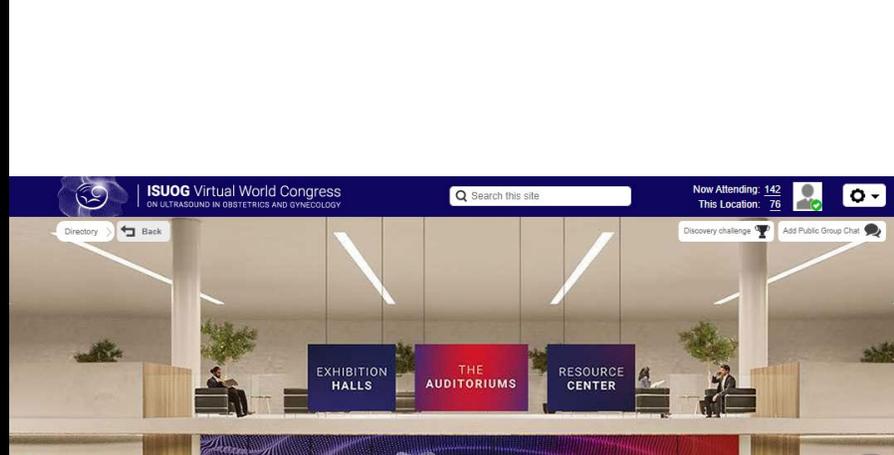
SAMSUNG



1 satellite symposia
8 scan demos &
live scans



What was new? I – Interactive virtual platform, auditoriums, sessions, resource center and posters





What was new? II – virtual exhibition & exhibitor content, ISUOG booth and personal delegate bag

The screenshot displays the ISUOG Virtual World Congress interface. At the top, there is a navigation bar with the ISUOG logo, a search bar, and user information (Now Attending: 145, This Location: 1). Below the navigation bar, the main area shows a virtual exhibition hall with various exhibitor booths. The ISUOG booth is prominently featured in the foreground, with a red carpet and a large ISUOG logo. The booth includes sections for 'MEMBERSHIP & COMMUNITY', 'EDUCATION & OUTREACH', and 'JOURNAL'. A 'SCIENTIFIC PROGRAM' sign is also visible. The 'My delegate bag' sidebar is open on the right, listing 8 items:

- Sponsored flyer - GE Voluson News (View)
- ISUOG Membership flyer (View)
- Abstract book (Launch)
- ISUOG daily newsletter - Friday 16 October (Launch)
- ISUOG Virtual International Symposium 2021 (View)
- Daily newsletter - Saturday 17 October (Launch)
- UOG October issue (View)



What was new III – virtual wellness zone, cyber café, social events and delegate chat/call functions

Wellbeing articles

Filter By: All

	View	Maintaining High Professional Standards, morally, ethically and fairly What doctors need to know right now	★★★★★	
	View	Burnout, well-being and defensive medical practice among obstetricians and gynaecologists in the UK: cross-sectional survey study	★★★★★	
	Launch	Clinician wellbeing has become a luxury rather than a basic human need	★★★★★	



Virtual Congress social program

The social program is an important part of our Congress as it brings our community closer together. Therefore, we have planned virtual sessions to nurture current connections and build new ones.

We will be running fun 1-2-1 "speed networking" sessions during the below two times. Participation is included in your Congress registration fee - no additional costs will be charged. Please register via the links - we hope you will meet old friends, make new contacts, and have fun.

Network speed socialising - Friday 16 October 2020

Time: 19:30-20:30 BST

How to join: Register for free by clicking on the Hopin link [here](#).

Network speed socialising - Sunday 18 October 2020

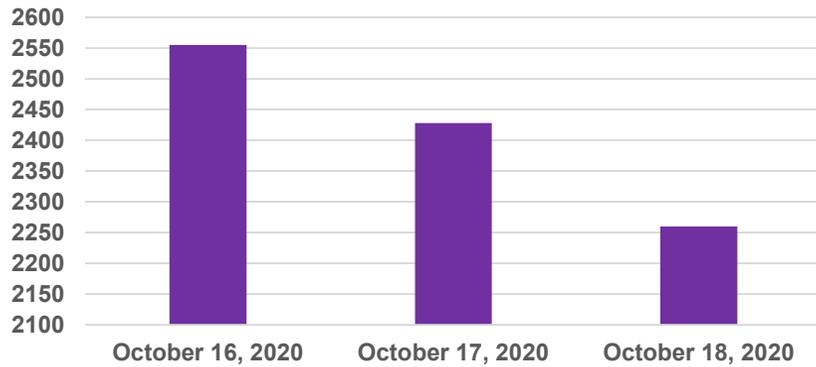
Time: 07:00-07:45 BST

How to join: Register for free by clicking on the Hopin link [here](#).

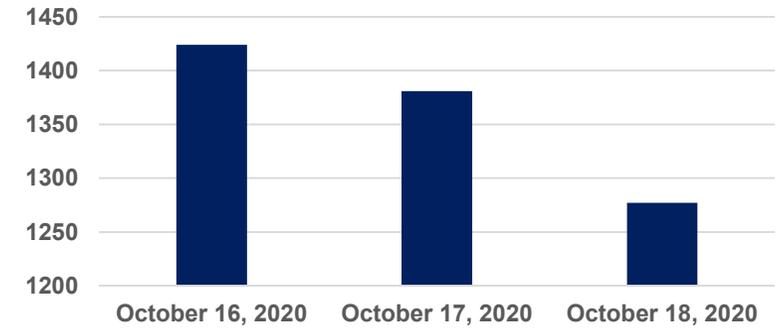


Platform use statistics for live Congress dates

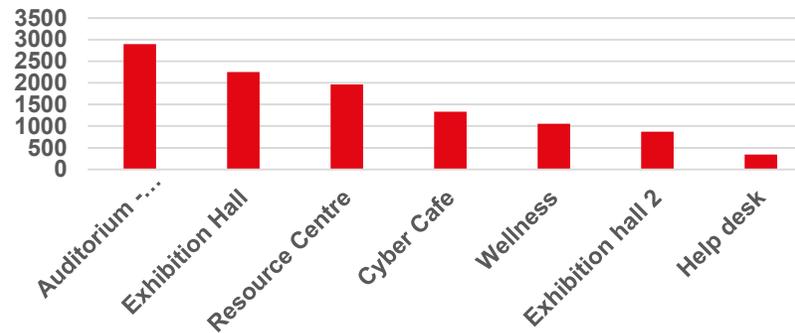
Number of delegates on platform, per day (live Congress dates)



Max. number of concurrent users on platform, per day (live Congress dates)



Unique entries per platform area, during live Congress dates





Viewer statistics for live sessions

Top 5 most viewed sessions (live) – Obstetrics	Date	Start time (BST)	Total number unique viewers (live)
[MC] The whole heart: a quick guide to assessing structure and function	Friday 10/16/2020	11:30 AM	2956
[OC] Hot abstracts in cardiac imaging science	Friday 10/16/2020	10:20 AM	2091
[WS] The broken heart: detection and correction	Friday 10/16/2020	8:40 AM	1827
[WS] The A to Z of Doppler	Saturday 10/17/2020	8:40 AM	1143
[Plenary] Congress opening: The history of ultrasound	Friday 10/16/2020	8:00 AM	1103
Top 5 most viewed sessions (live) - Gynecology	Date	Start time (BST)	Total number unique viewers (live)
[WS] Seeing an ovarian mass on ultrasound: what do I do next? Diagnosis and IOTA principles	Friday 10/16/2020	8:40 AM	665
[OC] Classifying and managing ovarian masses	Friday 10/16/2020	10:20 AM	552
[OC] Investigating women with abnormal uterine bleeding and possible uterine pathology	Saturday 10/17/2020	3:50 PM	435
[WS] How do you investigate and treat women presenting with recurrent miscarriage?	Saturday 10/17/2020	8:40 AM	428
[WS] Using ultrasound to manage oncology patients: practical pointers and discussion of cases	Friday 10/16/2020	2:10 PM	413
Resource centre – unique views of content (live Congress dates)	Unique clicks		
Supplement Your Learning	1048		
Virtual Posters	1031		



Delegates' evaluation

97.67%

agreed ISUOG was the
leading event in its field

98.93%

would recommend the
ISUOG Congress to a
colleague

72.2%

found the Exhibition a
valuable part of the
Congress experience

5.69 score out of 7
for value for money

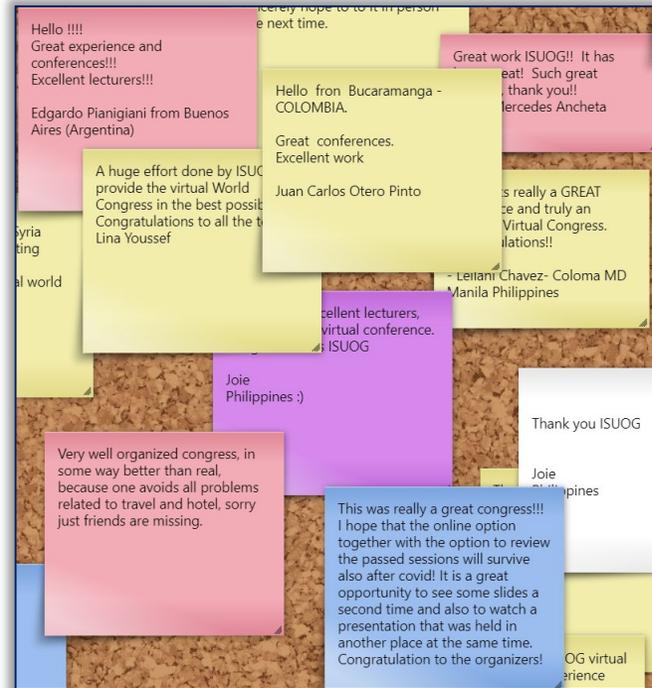
6.34 score out of 7
for how useful the
Congress was for
professional activity

6.25 score out of 7
for overall Congress
delegate satisfaction



Delegates' testimonials

From [mmemetzger](#) to [All panelists](#):
Hello, a warm hello from Paris. So nice to see you. Makes me forget the screen. Thank you to share with us these very special moments. Outstanding congress that will be a milestone



“Fantastic! To be honest I felt happiness in depths of my heart for the first time since beginning of the pandemic! Thanks a lot again!”

“Hats off to you all. A sterling job all round and a resounding success! Could not have gone smoother. The platform was better than I had expected ... and I still see hundreds of folk signing in to the platform and reviewing lectures.”

“I'm finding it easier than usual to keep up with things, since the recordings are posted so fast.”

“Marvellous job by the ISUOG staff and team. Congratulations. This is a huge success.”

	Mark Barry	10/18/2020 06:29 pm
	Marvellous congress indeed! Quite fantastic organisation. Thank you ISUOG	
	Geeta Kolar	10/18/2020 06:28 pm
	Fabulous virtual academic feast,well organised,no technical glitches,strictly adhered to time lines	



Thank you

The ISUOG team would love to thank everyone who attended the 30th World Congress and especially for all the faculty, exhibitor and delegates' patience and support with the transition to a virtual event. We look forward to seeing you again soon.

ISUOG team

