

Sex differences, blood pressure lowering and outcome in intracerebral haemorrhage

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for the INTERACT Investigators at 144 hospitals in 21 countries



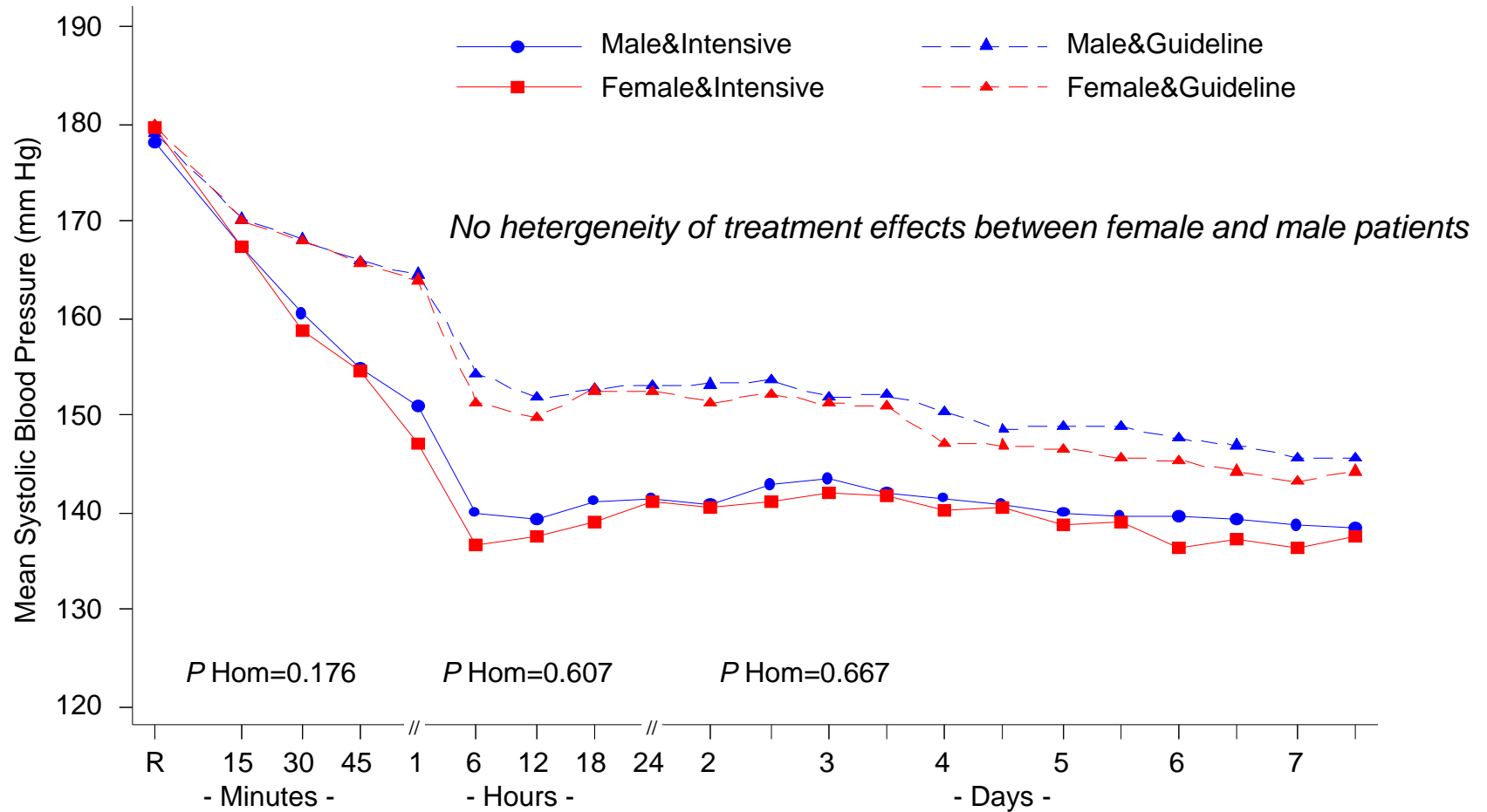
Baseline characteristics

	Female (n=1191)	Male (n=2042)	<i>P</i> value
Demographic			
Age, mean(SD), years	64.9(13.0)	62.5(12.6)	<0.0001
Medical history			
Prior ischemic/undifferentiated stroke	110(9.2)	259(12.7)	0.003
Admission glycemia > 6.5 mmol/l	600(52.7)	889(46.4)	0.001
Medications at admission			
Antihypertensive therapy	574(48.2)	875(42.9)	0.004
Clinic features			
NIHSS score median (IQR)	11(7-16)	10(6-15)	0.002
CT findings			
Baseline Hematoma volume, median (IQR), mL	9.9(5.3-17.7)	11.3(5.8-19.9)	0.004

Management factors over the first 7 days

Management factors in the first 7 days	Female (n=1191)	Male (n=2012)	P value
Randomised to intensive BP lowering (%)	581(48.8)	1021(50.0)	0.504
Time from onset to randomization, median (IQR),hours	3.7(2.8-4.7)	3.7(2.8-4.7)	0.856
Any intravenous BP lowering treatment	549(46.5)	994(49.7)	0.084
Intubation	62(5.3)	158(7.9)	0.005
IV mannitol	763(64.7)	1293(64.7)	0.995
Any surgical intervention (evacuation, decompression, ventricular drain)	64(5.4)	119(5.9)	0.539
DVT prophylaxis (heparin+compression stockings)	233(19.8)	395(19.8)	0.998
Hemostatic therapy(fresh-frozen plasma, vitamin K, and recombinant tissue factor VIIa)	40(3.4)	92(4.6)	0.098

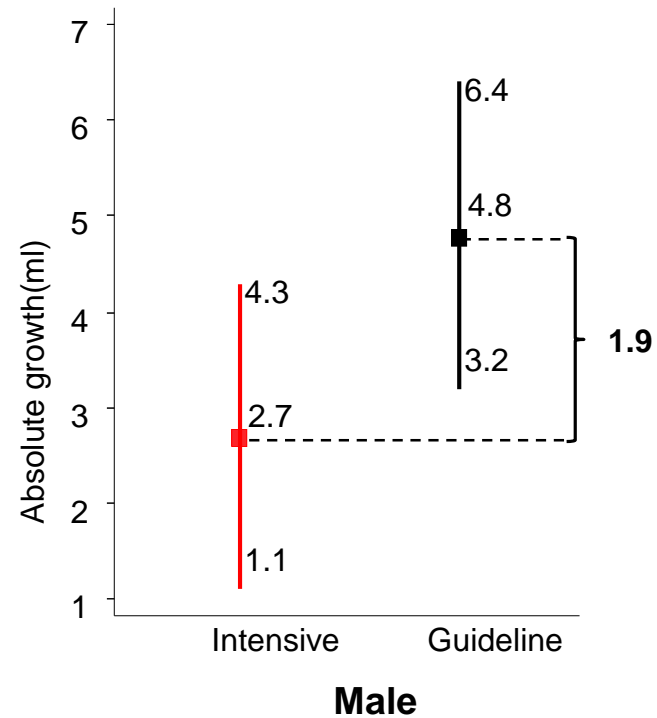
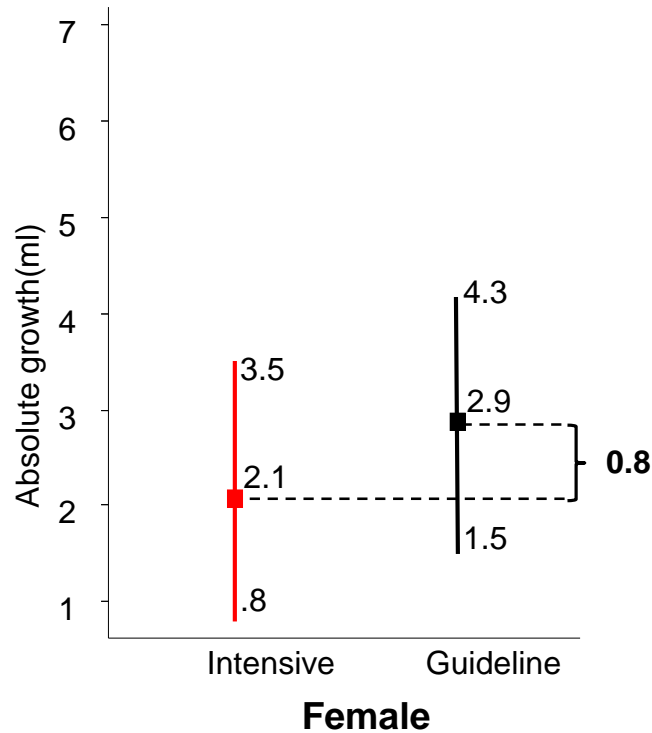
Achieved BP - by sex and randomized treatment in the first 7 days



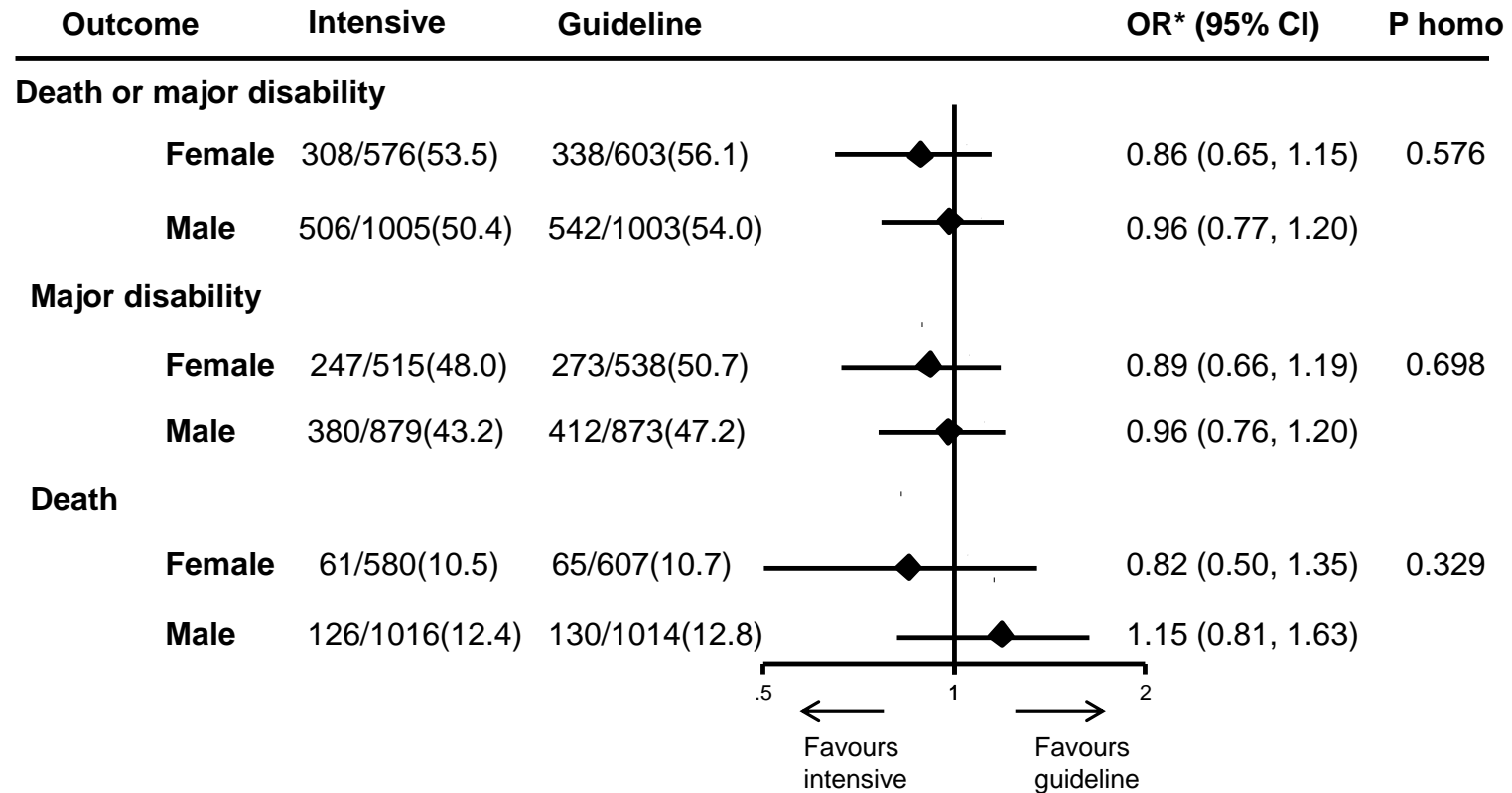
Hematoma growth at 24 hours - by sex and randomised treatment

$P_{\text{homo}}=0.433$

No heterogeneity of treatment effects between female and male patients



Clinical outcome-by sex and randomised treatment



Summary

- Female patients with acute ICH were older, had more severe deficits, yet smaller hematoma volume at baseline.
- There were no sex differences in randomised BP lowering treatment effect.

**Thank you for your
attention!**