



As discussed

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**From:** Gorm Ole Greisen [<mailto:Gorm.Greisen@regionh.dk>]  
**Sent:** 10 March 2015 18:22  
**To:** Turner, Steve  
**Cc:** Allan Arthur Vaag; [torben.larsen@dadlnet.dk](mailto:torben.larsen@dadlnet.dk)  
**Subject:** SV: Request for data for meta analysis

Dear Steve,

Sorry for delay.

Attached is a excel file with anonymised raw data on smoking and fetal size in nearly 1000 pregnancies. The first column is heavy smoking (>15 cigarettes per day at enrolment, usually at 18 weeks at the dating scan), the next is continued heavy smoking at 28 weeks of pregnancy. The following columns are blocks of 7, each one containing the data from one visit with ultrasound fetometry: gestational age in days, GA in completed weeks, BPD, femur length, abdominal circumference, the expected weight from calculated from a standard, and weight deviation in %. (I think GA was calculated from LMP, but I am not sure, please check with Torben Larsen (cc above) is needed. Torben is the fetal medicine specialist who did the first study as his thesis.

heavy	S	cont	S	GA1	GUGE1	BPD1	FEMUR1	AC1	EVW1	DEV1	GA2	GUGE2	BPD2	FEMUR2	AC2	EVW2	DEV2
1	1	1		0	0	19	0	0	0	0	198	28	63	47	210	772	-29
1	1	1		89	12	23	16	0	0	0	197	28	74	53	256	1349	26

The problem is that the timing of the visit varied and thus you will have to side-shift the columns to get the weeks aligned.

Please let Allan Vaag know when you use the data, and when you have destroyed it. Allan has the responsibility, and although they are hard to re-identify, we would like you not to pass them over to others.

/gorm

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**Fra:** Turner, Steve [<mailto:s.w.turner@abdn.ac.uk>]  
**Sendt:** 17. februar 2015 06:48  
**Til:** Gorm Ole Greisen  
**Emne:** RE: Request for data for meta analysis

Many thanks for tracking down the data Gorm. An anonymised dataset would be very welcome.

Many thanks once again

Best wishes

Steve

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**From:** Gorm Ole Greisen [<mailto:Gorm.Greisen@regionh.dk>]  
**Sent:** 16 February 2015 19:59  
**To:** Turner, Steve  
**Subject:** SV: Request for data for meta analysis

Dear Steve Turner,

Sorry for a late answer.

The data is preserved, but not easily accessible. The first author has left science and I have no copy of the dataset she used for her analysis. This means that data has to be recovered from the original raw data files.

The coding for smoking was >15 cigarettes/day at 18 weeks, and >18 cigarettes at 28 weeks, so there is no 'no smoking' and no 'never smoking' group. Furthermore, all the pregnancies were at risk for delivering an SGA infant, due to a large number of risk factors ([Early Hum Dev](#). 1997 Jan 20;47(2):157-65.).

I handed over the responsibility of the data to another senior author in the project (Allan Vaag), but he will probably be sympathetic to the use of data.

Let me know if an anonymised dataset with the two smoking variables and the fetal measurements between 30 and 34 weeks would be useful to you.

/gorm

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**Fra:** Turner, Steve [<mailto:s.w.turner@abdn.ac.uk>]  
**Sendt:** 3. februar 2015 14:57

19/03/2015

FW: Request for data for meta analysis - Chapman, Anthony Sergio

**Til:** Gorm Ole Greisen

**Emne:** Request for data for meta analysis

Dear Prof Greisen,

I am a paediatrician in Aberdeen and have an interest in early origins of disease and share your interest in using fetal measurements as an index of fetal wellbeing. I attach a recent review we have done of the literature linking fetal measurements to post natal outcomes and am in the process of reviewing the literature relating antenatal exposures to fetal measurements.

I believe that there are sufficient data to do a meta analysis for maternal smoking and fetal measurements (8 papers). These papers publish fetal outcomes either as absolute measurements or z scores. You are lead author on a paper (The impact of maternal smoking on fetal and infant growth) which presents results as change in z scores over 28 days in table 2. Please would it be possible to obtain mean and SD values and number of individuals whose mothers were smokers at 18 weeks (including reduced, heavy and continuous smokers), who were exsmokers before 18 weeks and had never smoked for estimated fetal weight and femur length at between 30-34 weeks gestation? I appreciate that the mean absolute measurement will be less precise since gestation is not considered but the majority of papers cite mean absolute score and not z score so I have decided to do the meta-analysis on absolute measurements.

Many thanks and best wishes

Steve

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