**Additional File 2: Draft MEDLINE Search**

Database(s): **Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily** 1946 to September 11, 2020
Search Strategy: **2020-09-13**

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| # | Searches | Results |
| 1 | fetal growth retardation/ | 16397 |
| 2 | placental insufficiency/ | 1647 |
| 3 | exp hypertension, pregnancy-induced/ | 36774 |
| 4 | ((f?etal or f?etus\* or intrauterin\* or uterine or utero or antenat\* or prenat\* or early-onset or antenat\* or ante-nat\* or prenat\* or pre-nat\* or first trimester or 1st trimester) adj6 (growth adj3 (retard\* or restrict\*))).tw,kf. | 20771 |
| 5 | (FGR\* or IUGR\*).tw,kf. | 7752 |
| 6 | ((early or pregnancy or gestational) adj2 (growth retard\* or growth restrict\*)).tw,kf. | 695 |
| 7 | ((estimat\* adj4 (f?etal or f?etus\*) adj2 weight\*) or EFW).tw,kf. | 2201 |
| 8 | (((absent or revers\*) adj6 (enddiastol or diastol\* or doppler) adj2 (velocity or flow)) or AEDF\* or A-EDF\* or AREDF\* or A-REDF\*).tw,kf. | 1100 |
| 9 | (abdom\* adj3 circumfer\*).tw,kf. | 3430 |
| 10 | (placent\* adj3 (insufficien\* or d#sfunct\* or disorder\*)).tw,kf. | 3925 |
| 11 | (((gestational or maternal or pregnancy) adj (hypertension or high blood pressur\*)) or pregnancy-induced hypertension or (pregnancy adj3 hypertensive disorder\*)).tw,kf. | 9805 |
| 12 | (HELPP or preeclam\* or eclam\*).tw,kf. | 36908 |
| 13 | **or/1-12 [ FGR, placental insufficiency, pregnancy hypertensive disorders ]** | **83181** |
| 14 | phosphodiesterase 5 inhibitors/ or sildenafil citrate/ or tadalafil/ | 7908 |
| 15 | (sildenafil\* or revatio or homosildenafil or hydroxyhomosildenafil or Viagra or acetildenafil or desmethylsildenafil or NCX-911 or NCX911 or UK-92480\* or UK92480\* or tadalafil\* or cialis or ic-351 or ic351).tw,kf. | 8454 |
| 16 | (((((phosphodiesteras\* or phospho-diesteras\* or PDE) adj3 ("5" or V)) or phosphodiesterase5 or PDE5 or phosphodiesteraseV or PDEV) adj5 (inhib\* or block\* or antagonist\* or anti)) or PD5i\* or PD5-I or PDVi\* or PDV-i).tw,kf. | 6289 |
| 17 | **or/14-16 [PD5-inhibitors]** | **12976** |
| 18 | **13 and 17 [ FGR & PD5-inhibitors ]** | **139** |
| 19 | (TADAFER or (Strider not (short-tandem-repeat or DNA-strider\* or ((water or oil or bike or bikes or biped\*) adj5 strider\*)))).ti. | 15 |
| 20 | **18 or 19 [ FGR & PD5-inhibitors -Strider/Tadafer trial ]** | **140** |
| 21 | ((controlled clinical trial or randomized controlled trial).pt. or double-blind method/ or placebos/ or (random\* or (controlled adj3 (study or trial)) or placebo\* or double-blind\*).tw,kf. or trial.ti.) not (("systematic review" or review).pt. or review.ti.) [ RCT-filter adapted from the Cochrane, reviews excluded ] | 1336887 |
| 22 | (exp animals/ not humans/) or ((pig or pigs or goat or goats\* or sheep or lamb or lambs or ovine or rodent\* or rabbit\* or mice or mouse or murine\* or rat or rats).ti. not human\*.ti,ot.) [ animal filter] | 4966334 |
| 23 | **21 not 22 [ human RCT filter, adapted from the Cochrane ]** | **1189300** |
| 24 | **20 and 23 [ human RCTs on FGR & PD5-inhibitors ]** | **33** |
| 25 | **remove duplicates from 24 [ human RCTs on FGR & PD5-inhibitors, deduplicated ]** | **33** |