**S1 Appendix.** **American College of Obstetricians and Gynecologists (ACOG) classification of hypertensive disorders in pregnancy (HDP).**

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| **Terminologies** | **Definitions** | **Prevalence, %** | **Placental vascular involvement with multisystem dysfunction**  (Braunthal & Brateanu, 2019[1]) |
| Gestational hypertension (GH) | SBP≥140 mmHg or a DBP ≥90 mmHg, or both, on 2 occasions at least 4 hours apart after 20 weeks of gestation in a previously normotensive woman | 5-10 (M. Shen et al., 2017[2]) | No |
| Chronic hypertension | SBP≥140 mmHg or a DBP ≥90 mmHg, or both, on 2 occasions at least 4 hours apart before 20 weeks of gestation | 3-5 (Seely & Ecker, 2014[3]) | No; general cardio-vascular involvement not specific to placental vasculatures |
| Pre-eclampsia | GH and one of the following:  Proteinuria (≥ 300 mg per 24 hours urine collection, or protein/creatinine ratio ≥0.3 mg/dL or dipstick reading ≥2 + or in the absence of proteinuria), new onset hypertension, and any of the following:  thrombocytopenia (platelet count < 100,000 x 109/L)  serum creatinine concentration >1.1 mg/dL, or doubling of serum creatinine concentrations in the absence of other diseases  elevated concentrations of liver transaminases to twice the normal concentration  pulmonary edema  new onset headache unresponsive to medication and not accounted by alternative diagnosis or visual symptoms (ACOG, 2020[4]) | 2-5 (Hutcheon et al., 2011[5]) | Yes |
| Superimposed preeclampsia | When women with chronic hypertension develop signs of preeclampsia (Banala et al., 2020[6]) | 0.2-1 (Banala et al., 2020[6]) | Yes |
| Eclampsia | HDP with convulsive manifestations | <1 (Wellington & Mulla, 2012[7]) | Yes |
| Hemolysis, Elevated Liver Enzymes and Low Platelet count (HELLP) syndrome | LDH ≥ 600 IU/dL, AST and ALT > twice the upper limit of normal levels, and platelet count < 100,000 x 109/L | 0.5-0.9 (Khalid et al., 2022[8]) | Yes |

SBP, systolic blood pressure; DBP, diastolic blood pressure; LDH, Lactate dehydrogenase; AST, Aspartate transaminase; ALT, Alanine transaminase.

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