

## AB099. Social support and infertility

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**Abstract:** Urbanization and industrialization bring better living quality as well as new health challenge to human being. Mental stress that people facing up increases sharply along with the fast-modern life patterns. People have to find out an effective way to tackle and relieve mental stress when the high-intensive pressure becomes inevitable, one of which is from social support. Researches have proven that social support has some kind of relationship with mental

pressure and diseases. However, no agreed conclusion has yet been made for the nature of this relationship. In this paper, we discussed the relationship among the three factors, based on a survey and study of a group of infertile males. Meanwhile, we set up a control group and find out a dynamic interactive relationship among social support, mental stress and diseases, using hypothesis testing and binary logistic regression analysis. Finally, we put forward a prenatal and early childhood exposure to the chemical solvent tetrachloroethylene (PCE) model.

**Keywords:** Social support; mental stress; male infertility; PCE model

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