

CHAPTER 6

CONCLUSION AND RECOMMENDATION

6.1. CONCLUSION

From our results and discussion, we conclude that:

1. There are no reduction of number of primordial follicles pool in ovaries from several ages of premutation mice, significantly in P25 and ~40wk mice compared to wt mice.
2. There is a tendency reduced proportion of presence of recent corpus luteum in ~20wk and significantly in ~40wk premutation mice compared with wt mice.
3. There is an increased level of *Fmr1* mRNA in ovaries of premutation mice compared to wt mice.

6.2. RECOMMENDATION

Based on our conclusion, we recommend:

1. Quantification of growing follicles in ovaries, to determine the maturation of follicles and follicular atresia rate from premutation and wt mice at 20-week and 40-week-old.
2. Study of *Fmrp* levels from premutation mice.
3. Study of germ cell proliferation in premutation mice.