

Perubahan fungsi kognitif dan psikomotor peserta PPDS Anestesiologi dan terapi intensif FKUI pada pelayanan anestesia elektif setelah 12 jam kerja = The cognitive functions and psychomotor functions changes in anesthesiology and intensive care residents FMUI after 12 working hours in elective anesthesia services

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Abstrak

[ABSTRAK

, Background: The practice of anesthesia is potentially hazardous occupation and require sustained vigilance, parallel decision making and fine motor skills. The working hours of anesthesiology and intensive care residents are often extended more than 12 hours. There should be a study on cognitive and psychomotor functions of anesthesiology and intensive care residents after 12 working hours.

Methods: This is an observational study on anesthesiology and intensive care residents with 12 working hours, each of them got their cognitive and psychomotor functions tested on hour-0 and hour-12. The cognitive functions were tested with “Stimulasi Kognitif” (STIMKOG) and psychomotor functions were tested with grooved pegboard.

Results: In STIMKOG, stimulasi tayangan gambar berurutan we got statistically significant decreased on hour-12 compare to hour-0 ($p=0,035$). In stimulasi kilatan cahaya tunggal, kilatan cahaya ganda, nomor acak, frekuensi tayangan gambar, and asosiasi, we got statistically insignificant with p , consecutively, 0,261; 0,055; 0,614; 0,061; 0,386. But in stimulasi orientasi letak we got 100% true of all test not only in hour-0 but also in hour-12. In psychomotor functions test with Grooved Pegboard we got statistically significant decreased on hour-12 compare to hour-0 ($p=0,037$).

Conclusion: There were decreasing in integrated attention function, visual memory, naming and executive function, based on STIMKOG stimulasi tayangan gambar berurutan, in anesthesiology and intensive care residents FKUI after 12 working hours. There were decreasing in psychomotor functions of anesthesiology and intensive care residents FKUI after 12 working hours, tested with grooved pegboard.]