The mean value of latencies of wave 1, 2 and 4–5 interpeak latency intervals were significantly increased prolonged with pre-RT and 1 month post-RT (P < 0.05) but the latencies of wave 3 and 5 interpeak latency intervals were significantly prolonged than 12 and 24 month post-RT.

The increase of BC thresholds at different stage after radiotherapy was exhibited in chart 1 and table 1. The percentage of test ears, whose BC thresholds increased more than 15dB or 30dB at the three frequencies, were 9.9dB, 15.6dB and 20.5dB increased respectively, and their thresholds were significantly increased than those at pre-RT (P < 0.001). At 12 months post-RT, the changes of BC thresholds were quite significantly increased at the speech frequency, 4.0kHz and high frequency, respectively. At 24 months post-RT, the latencies of wave 3 and 4–5 interpeak latency intervals prolonged to more than 4.5ms in 4 ears; At 24 months post-RT, the changes of ABR were quite significantly increased at the speech frequency, 4.0kHz and high frequency, respectively. At 60 months post-RT, wave 1 disappeared in 5 ears, 60.00 months post-RT, wave 1 disappeared in 2 ears, other waves all disappeared, and threshold wave II disappeared in 3 ears, each wave of ABR disappeared in 5 ears. The prolonged latency of ABR for 7 months post-RT. 12 ears were diagnosed as tympanic effusion because of B or C type tympanogram and absence of acoustic stapedius reflex. At 12, 24, 60 months post-RT, we can not test any acoustic stapedius reflex in 9, 15 ears which got tympanic effusion.

**RESULTS**

The mean value of latencies of wave 1, 2, 4 and 5–6 interpeak latency intervals of ABR before and after RT were presented in table 2. The mean value of latencies of wave 1, 2, 3 and 5–6 interpeak latency intervals had no significant difference between at 1 month post-RT (P > 0.05), at 12, 24, 48 months post-RT the latencies of wave 1, 2 and 4–5 interpeak latency intervals were significantly prolonged compared with pre-RT and 1 month post-RT. There was significantly increased of BC thresholds at 12 months post-RT (P < 0.05) but the latencies of wave 1 and 2 interpeak latency intervals were significantly prolonged than 12 and 24 month post-RT. There was also significant increased of BC thresholds in 12 months post-RT than those at pre-RT (P = 0.01). At 24 months post-RT (P = 0.05), there were no significant difference between 12 and 24 months post-RT. There was significantly increased of BC thresholds at 12 months post-RT than those at pre-RT and those at 12 months post-RT (P < 0.05). There were no significant difference between 12 and 24 months post-RT. The severity and incidence of hearing loss increased as time going on and the hearing loss was more severe at 48 months post-RT than at 24 months post-RT. The severity and incidence of hearing loss increased as time going on and the hearing loss was more severe at 48 months post-RT than at 24 months post-RT. The severity and incidence of hearing loss increased as time going on and the hearing loss was more severe at 48 months post-RT than at 24 months post-RT. The severity and incidence of hearing loss increased as time going on and the hearing loss was more severe at 48 months post-RT than at 24 months post-RT. The severity and incidence of hearing loss increased as time going on and the hearing loss was more severe at 48 months post-RT than at 24 months post-RT.

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