2.继发性 BPPV：继发[illegible]科或全身[illegible]病、前庭神经炎、

特发性突聋、中耳炎[illegible]作、偏头痛[illegible]口腔颌面手术、[illegible]

[illegible]等)[illegible]性药物等

二、按受累[illegible]管分类

[illegible]椭管 BPPV，最为常[illegible]70%—90%[illegible]嵴[illegible]