The efficacy and safety of octreotide treatment for diazoxideunresponsive congenital hyperinsulinism in China

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OBJECTIVES	METHODS
Octreotide is an off - label medicine for CHI	Diazoxide-unresponsive CHI children treated with subcutaneous octreotide injection at an
but widely used nowadays. However, the	adjusted dosage of up to $50\mu g/kg/day$ were involved in the study. Octreotide is ineffective

efficacy and adverse effects have been

reported varied in centers. To evaluate the

efficacy and safety of the subcutaneous

octreotide injection for

diazoxide-unresponsive CHI in China.

when blood glucose (BG) <2.8mmol/L or is completely effective if BG > 3.3mmoll/L over 48

hours by every 2 hours check after wean-off iv dextrose. BG between the above means partial effectiveness.

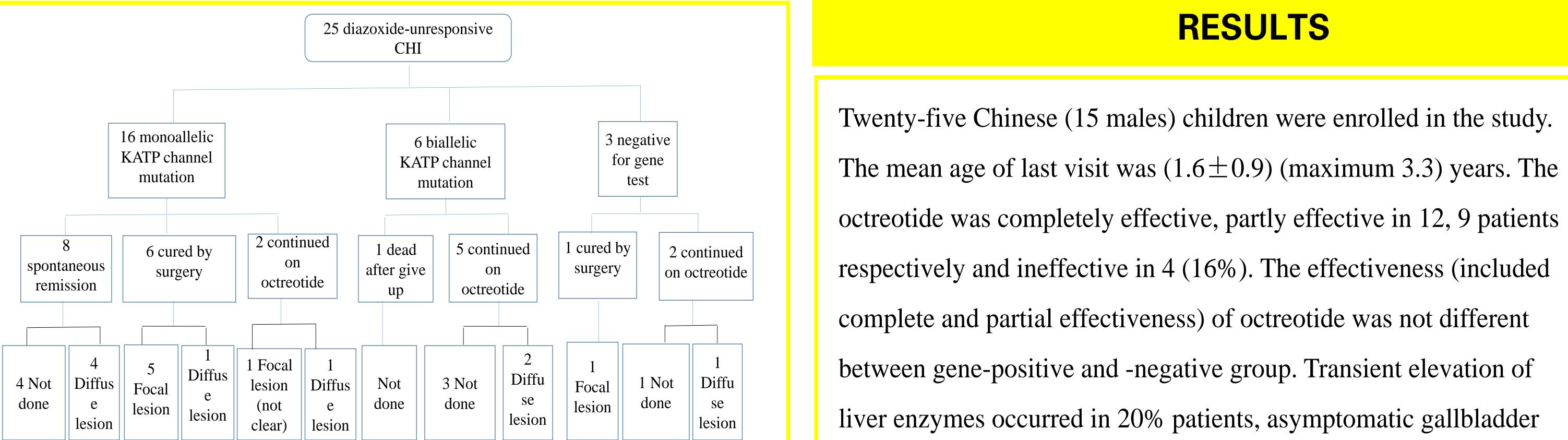


Figure 1 The gene mutation analysis, histopathology, and prognosis of 25 diazoxide-unresponsive CHI treated with subcutaneous octreotide injection "Not done" means 18F-DOPA PET scans were not performed in these patients

pathology occurred in 1 patient. The growth charts of this cohort patients were in normal range (mean height SDS was 0.3 ± 1.5 at the last follow-up).

CONCLUSIONS



The octreotide was well tolerated, effective therapy for diazoxide

unresponsive CHI cases. It could be a choice for diazoxide-unresponsive

patients.

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