	Natural deduction for connexive paraconsistent quantum logic
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	Norihiro Kamide
	In this study, a new logic called the connexive paraconsistent quantum logic is introduced as a common denominator of a paraconsistent logic and a quantum logic. A natural deduction system for this logic is introduced, and the weak normalization theorem for this system is shown. A typed lambda calculus for the implication-negation fragment of this logic is developed on the basis of the Curry-Howard correspondence. The strong normalization theorem for this calculus is proved.