41. Extremely Profound Hypothermia: Experimental Study of the Permissible Limitation of the Cerebral Circulatory Interruption Period by Means of Decorporated Canine Head

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After the irrigation of the decorporated canine head with th artificial coolant, the preservation was carried out under the extremely profound hypothermia. The rewarming was done after an arbitrary period of the preservation and the resuscitation of the brain function was observed by evaluating the reappearing vital signs as the parameters.

1. Several kinds of coolants were evaluated, namely Ringer's solution, physiological saline solution, low molecular dextran, P.V.P.-Ringer's solution respectively.
2. The excellent result was obtained by using P.V.P.-Ringer's solution with Tris buffer (Tris hydroxy methyl aminomethane) gave the most favorable result because of preventing the pulmonary edema during the cross circulation procedure.

42. Anticonvulsive Effect of Sodium 3-sulfonyl-4-Aminobutyrate

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43. Convulsion induced by N-Methyl Aspartic Acid and its Anticonvulsant

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