

TABLE 71.—Results of administration, to volunteers, of materials obtained from patients in the acute phase of infectious hepatitis

[In the "Route" column, O = oral; NP = nasopharyngeal; P = parenteral]

Inoculum	Author	Year	Route	Volunteers		Incubation period
				Inoculated	Jaundiced	
				Number	Number	Days
Feces	Voegt (duod. fl.) ¹	1942	O	4	² 1	28
	MacCallum & Bradley ³	1944	NP	26	3	27-31
	Havens <i>et al</i> ⁴	1944-46	O	12	9	15-27
	Neefe <i>et al</i> ⁵	1944-46	O	46	25	18-37
	Neefe <i>et al</i> ⁵	1944-46	P	3	0	-----
	Findlay & Willcox ⁶	1945	O	18	² 7	17-28
Serum	Voegt (blood) ¹	1942	O	(?)	1	(?)
	Voegt (blood) ¹	1942	P	(?)	1	19?
	MacCallum & Bradley ³	1944	P	6	3	64-92
	Havens ⁴	1944-46	P	17	8	20-31
	Havens ⁴	1944-46	O	8	7	21-34
	Oliphant ⁷	1946	P	21	4	85-106
	Francis <i>et al</i> ⁸	1945	P	8	4	35-43
	Neefe <i>et al</i> ⁵	1945	P	6	1	35
Neefe <i>et al</i> ⁵	1946	O	3	2	26&33	
Nasopharyngeal washings.	MacCallum & Bradley ³	1944	NP	16	0	-----
	Neefe <i>et al</i> ⁵	1945	NP	8	0	-----
	Havens ⁹	1946	NP	3	0	-----
Urine	Voegt ¹	1942	O	(?)	² 1	(?)
	MacCallum & Bradley ³	1944	NP & O	19	0	-----
	Findlay & Willcox ²	1945	O	6	² 3	(?)
	Neefe & Stokes ¹⁰	1945	O	7	0	-----
	Havens ⁹	1946	O	3	0	-----

¹ Voegt, H.: Zur Aetologie der Hepatitis Epidemica. München. med. Wehnschr. 89: 76, 23 Jan. 1942.

² No definite statement of jaundice.

³ MacCallum, F. O., and Bradley, W. H.: Transmission of Infective Hepatitis to Human Volunteers. *Lancet* 2: 228, 12 Aug. 1944.

⁴ (1) Havens, W. P., Jr., Ward, R., Drill, V. A., and Paul, J. R.: Experimental Production of Hepatitis by Feeding Icteric Materials. *Proc. Soc. Exper. Biol. & Med.* 57: 206-208, November 1944. (2) Havens, W. P., Jr.: Properties of the Etiologic Agent of Infectious Hepatitis. *Proc. Soc. Exper. Biol. & Med.* 58: 203-204, March 1945. (3) Havens, W. P., Jr.: Period of Infectivity of Patients With Experimentally Induced Infectious Hepatitis. *J. Exper. Med.* 83: 251-258, March 1946. (4) Havens, W. P., Jr.: Immunity in Experimentally Induced Infectious Hepatitis. *J. Exper. Med.* 84: 403-405, November 1946. (5) Havens, W. P., Jr.: Experiment in Cross Immunity Between Infectious Hepatitis and Homologous Serum Jaundice. *Proc. Soc. Exper. Biol. & Med.* 59: 148-150, June 1945. (6) Havens, W. P., Jr.: Elimination in Human Feces of Infectious Hepatitis Virus Parenterally Introduced. *Proc. Soc. Exper. Biol. & Med.* 61: 210-212, March 1946.

⁵ Neefe, J. R., Gellis, S. S., and Stokes, J., Jr.: Homologous Serum Hepatitis and Infectious (Epidemic) Hepatitis; Studies in Volunteers Bearing on Immunological and Other Characteristics of the Etiological Agents. *Am. J. Med.* 1: 3-22, July 1946.

⁶ Findlay, G. M., and Willcox, R. R.: Transmission of Infective Hepatitis by Faeces and Urine. *Lancet* 1: 212, 17 Feb. 1945.

⁷ Oliphant, J. W.: Infectious Hepatitis: Experimental Study of Immunity. *Pub. Health Rep.* 59: 1614-1616, 15 Dec. 1944.

⁸ Francis, T., Jr., Frisch, A. W., and Quilligan, J. J., Jr.: Demonstration of Infectious Hepatitis Virus in Pre-symptomatic Period After Transfer by Transfusion. *Proc. Soc. Exper. Biol. & Med.* 61: 276-280, March 1946.

⁹ See footnote 4(3).

¹⁰ Neefe, J. R., and Stokes, J., Jr.: An Epidemic of Infectious Hepatitis Apparently Due to a Water Borne Agent. *J.A.M.A.* 128: 1063-1075, 11 Aug. 1945.

NOTE.—Although the occurrence of nonicteric hepatitis is recognized, only jaundiced cases, in whom the diagnosis could be definite, are recorded here.