

Article DOI: <https://doi.org/10.3201/eid2911.230211>

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Group A *Streptococcus* Primary Peritonitis in Children, New Zealand

Appendix

Appendix Table. Cases of GAS primary peritonitis admitted to Starship Children's Hospital, New Zealand, January 1, 2010–June 30, 2022, n = 20*

Year	Sex/age	Ethnicity	GAS culture site	Possible skin or pharyngeal source	PICU	Ventilated	Inotropes	Clindamycin or IVIG	STSS	Laparoscopy or laparotomy	Total antibiotic duration (days)	LOS (days)	emm type
2010	M/10 mo	NZ European	Blood, peritoneal swab	No	Yes	No	No	No	No	Yes	28	11	65/69
2010	F/17 mo	NZ European	Blood, peritoneal aspirate	No	No	No	No	No	No	Yes	14	10	X
2010	M/5 y	Other European	Peritoneal aspirate, peritoneal swab	Skin	Yes	Yes	Yes	Clindamycin, IVIG	Yes	Yes	21	9	X
2010	F/11 y	NZ European	Peritoneal swab	Pharyngitis, not swabbed	No	No	No	No	No	Yes	16	9	X
2011	F/4 mo	Pacific	Vaginal swab, peritoneal swab	Skin	No	No	No	No	No	Yes	14	9	X
2011	F/6 y	NZ Māori	Gram positive cocci† Blood, peritoneal aspirate, peritoneal swab	No	Yes	Yes	Yes	No	Yes	Yes	28	28	X
2011	F/2 y	Pacific	Blood, peritoneal aspirate, peritoneal swab	No	Yes	No	No	Clindamycin	No	Yes	42	31	118

Year	Sex/age	Ethnicity	GAS culture site	Possible skin or pharyngeal source	PICU	Ventilated	Inotropes	Clindamycin or IVIG	STSS	Laparoscopy or laparotomy	Total antibiotic duration (days)	LOS (days)	emm type
2013	M/14 mo	Pacific	Blood, peritoneal aspirate	No	Yes	Yes	Yes	No	Yes	Yes	21	21	X
2014	M/3 wks	NZ Māori	Blood, Peritoneal aspirate	No	Yes	Yes	Yes	No	No	Yes	28	28	X
2015	M/8 mo	Pacific	Peritoneal aspirate, peritoneal tissue, peritoneal swab, skin swab	Skin	Yes	No	Yes	No	No	Yes	17	7	X
2016	F/9 mo	Pacific	Peritoneal aspirate, peritoneal swab	Skin, not swabbed	No	No	No	No	Yes	Yes	14	9	X
2016	F/2 y	Pacific	Blood, skin swab	Skin	Yes	No	No	No	No	Yes	28	23	X
2017	F/5 mo	NZ European	Blood, peritoneal aspirate, peritoneal swab	No	Yes	Yes	Yes	No	Yes	Yes	21	16	X
2019	F/2 y	Pacific	Blood, peritoneal tissue, peritoneal swab	No	No	No	No	Clindamycin	No	Yes	28	28	X
2019	M/3 y	NZ European	Peritoneal tissue	No	No	No	No	No	No	Yes	14	5	X
2019	F/13 y	NZ European	Peritoneal tissue	No	No	No	No	No	No	Yes	21	12	X
2021	M/3 y	NZ Māori	Peritoneal aspirate	No	No	No	No	No	No	Yes	21	14	114
2021	M/4 y	NZ European	Peritoneal tissue	No	No	No	No	No	No	Yes	21	9	X
2021	M/5 y	NZ European	Blood	No	No	No	No	No	No	No	21	15	114
2022	F/7 mo	Pacific	Peritoneal aspirate, peritoneal swab	No	Yes	No	No	Clindamycin	Yes	Yes	21	14	88

*GAS, group A *Streptococcus*; IVIG, intravenous immunoglobulin; LOS, length of stay; NZ, New Zealand; PICU, pediatric intensive care unit; STSS, streptococcal toxic shock syndrome.

†Case included following multidisciplinary team discussion and consensus opinion. Vaginal erythema and discharge at presentation was swabbed and culture positive for GAS. One blood culture negative. Only intraoperative peritoneal sample collected were swabs which was not suitable for molecular methods but had gram-positive cocci seen on Gram stain.