

**WEB TABLE I** DESCRIPTIVE STATISTICS OF ECG PARAMETERS IN THE NEWBORNS STRATIFIED BY GESTATIONAL AGE

Gestational Age	Heart Rate (bpm)	P duration (sec)	P amplitude (mm)	R amplitude in V1 (mm)	S amplitude in V1 (mm)	R amplitude in V6 (mm)	S amplitude in V6 (mm)	T duration (sec)	T amplitude (mm)	PR interval (sec)	QRS duration (sec)	QT interval (sec)	QTc	QRS Axis (degree)
<i>30 weeks</i>														
Mean (SD)	159 (17)	0.04 (0.01)	1.2 (0.3)	7.1 (2.8)	5.1 (2.3)	8.3 (2.7)	9.8 (3.8)	0.05 (0.01)	1.1 (0.2)	0.09 (0.01)	0.04 (0.01)	0.25 (0.02)	0.41 (0.03)	129 (26)
10th percentile	134	0.04	1.0	3.8	2.8	5.3	5.5	0.04	1.0	0.08	0.04	0.22	0.36	87
25th percentile	150	0.04	1.0	5.0	3.5	6.0	7.5	0.04	1.0	0.08	0.04	0.24	0.39	120
50th percentile	159	0.04	1.0	6.8	4.8	7.8	9.0	0.04	1.0	0.08	0.04	0.25	0.40	130
75th percentile	174	0.04	1.5	9.0	6.0	10.0	11.5	0.06	1.0	0.10	0.04	0.27	0.43	150
90th percentile	187	0.05	1.5	10.0	8.5	11.0	14.8	0.06	1.5	0.11	0.04	0.28	0.44	157
<i>31 weeks</i>														
Mean (SD)	144 (17)	0.04 (0.01)	1.2 (0.3)	7.5 (3.0)	5.3 (2.6)	7.5 (3.1)	8.9 (3.2)	0.06 (0.02)	1.2 (0.2)	0.09 (0.01)	0.04 (0.01)	0.26 (0.02)	0.4 (0.03)	127 (24)
10th percentile	121	0.04	1.0	3.5	2.3	4.5	5.5	0.04	1.0	0.08	0.04	0.24	0.36	85
25th percentile	130	0.04	1.0	5.5	3.0	5.0	6.5	0.04	1.0	0.08	0.04	0.24	0.38	115
50th percentile	147	0.04	1.0	7.0	5.0	7.0	8.8	0.06	1.0	0.08	0.04	0.26	0.40	127
75th percentile	157	0.04	1.5	9.0	6.0	9.0	11.0	0.08	1.0	0.08	0.04	0.28	0.42	145
90th percentile	168	0.06	1.5	12	9.3	11.5	13.0	0.08	1.5	0.11	0.04	0.29	0.44	162
<i>32 weeks</i>														
Mean (SD)	137 (16)	0.04 (0.01)	1.2 (0.3)	7.6 (3.3)	5.1 (2.8)	7.5 (2.9)	7.8 (3.1)	0.06 (0.02)	1.1 (0.2)	0.09 (0.02)	0.04 (0.01)	0.26 (0.02)	0.4 (0.04)	125 (23)
10th percentile	116	0.04	1.0	3.3	2.0	4.3	5.3	0.04	1.0	0.08	0.04	0.24	0.37	95
25th percentile	121	0.04	1.0	5.0	3.5	5.0	6.5	0.04	1.0	0.08	0.04	0.24	0.38	110
50th percentile	139	0.04	1.0	7.5	4.5	7.0	8.3	0.06	1.0	0.08	0.04	0.26	0.39	125
75th percentile	150	0.04	1.5	9.0	6.5	9.0	11.0	0.06	1.0	0.11	0.04	0.28	0.40	140
90th percentile	157	0.06	1.5	13.0	8.5	11.5	13.0	0.08	1.5	0.12	0.06	0.29	0.44	160
<i>33 weeks</i>														
Mean (SD)	148 (20)	0.04 (0.01)	1.3 (0.4)	7.5 (3.3)	5.9 (2.5)	7.9 (2.5)	9.4 (3.5)	0.06 (0.01)	1 (0.2)	0.09 (0.01)	0.04 (0.01)	0.25 (0.02)	0.38 (0.03)	119 (23)
10th percentile	125	0.04	1.0	3.8	3.0	5.0	6.8	0.04	1.0	0.08	0.04	0.22	0.35	87
25th percentile	136	0.04	1.0	5.5	4.0	6.5	7.0	0.06	1.0	0.08	0.04	0.24	0.36	100
50th percentile	145	0.04	1.0	6.8	5.5	7.0	8.0	0.06	1.0	0.08	0.04	0.24	0.39	120
75th percentile	161	0.04	1.5	9.0	8.0	10.0	11.5	0.08	1.0	0.10	0.04	0.26	0.40	135
90th percentile	180	0.06	2.0	13.0	9.0	12.0	15.0	0.08	1.5	0.11	0.06	0.26	0.43	150

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Gestational Age	Heart Rate (bpm)	P duration (sec)	P amplitude (mm)	R amplitude in V1 (mm)	S amplitude in V1 (mm)	R amplitude in V6 (mm)	S amplitude in V6 (mm)	T duration (sec)	T amplitude (mm)	PR interval (sec)	QRS duration (sec)	QT interval (sec)	QTc	QRS Axis (degree)
<b>34 Weeks</b>														
Mean	144	0.05	1.3	7.3	5.3	7.6	8.9	0.06	1.1	0.09	0.04	0.26	0.4	123
(SD)	(15)	(0.01)	(0.4)	(3.1)	(1.7)	(2.4)	(3.4)	(0.01)	(0.3)	(0.01)	(0.01)	(0.02)	(0.02)	(23)
10th percentile	125	0.04	1.0	4.0	3.0	5.0	4.5	0.05	1.0	0.08	0.04	0.24	0.37	90
25th percentile	130	0.04	1.0	5.0	4.0	6.0	7.0	0.06	1.0	0.08	0.04	0.24	0.38	100
50th percentile	143	0.04	1.0	6.5	5.3	7.0	8.3	0.06	1.0	0.08	0.04	0.26	0.40	125
75th percentile	157	0.04	1.5	8.5	6.5	9.0	10.5	0.08	1.0	0.10	0.04	0.28	0.42	135
90th percentile	166	0.06	2.0	12.5	7.8	11.5	14.0	0.08	1.5	0.11	0.06	0.28	0.45	157
<b>35 weeks</b>														
Mean	139	0.04	1.4	8.3	5.9	5.5	5.9	0.07	1.2	0.09	0.04	0.27	0.41	125
(SD)	(15)	(0.01)	(0.4)	(3.5)	(1.9)	(1.7)	(2.0)	(0.01)	(0.3)	(0.01)	(0.01)	(0.02)	(0.03)	(23)
10th percentile	122	0.04	1.5	4.0	3.3	3.5	3.3	0.05	1.0	0.08	0.04	0.24	0.38	92
25th percentile	130	0.04	1.5	6.0	5.0	4.0	5.0	0.06	1.0	0.08	0.04	0.26	0.39	115
50th percentile	136	0.04	1.5	7.8	6.0	5.5	5.5	0.07	1.0	0.08	0.04	0.27	0.41	125
75th percentile	150	0.04	1.5	10.5	7.0	7.0	7.0	0.08	1.5	0.10	0.04	0.28	0.42	135
90th percentile	161	0.06	2.0	13.8	8.0	7.0	8.3	0.08	1.5	0.11	0.06	0.29	0.44	157
<b>36 weeks</b>														
Mean	138	0.04	1.23	10.1	7.2	4.4	2.9	0.07	1.2	0.09	0.04	0.26	0.39	127
(SD)	(15)	(0.01)	(0.3)	(3.9)	(2.7)	(1.4)	(1.2)	(0.01)	(0.2)	(0.01)	(0.01)	(0.02)	(0.03)	(19)
10th percentile	118	0.04	1.0	5.8	4.5	2.8	1.0	0.06	1.0	0.08	0.04	0.22	0.35	100
25th percentile	125	0.04	1.0	7.0	5.5	3.5	2.0	0.06	1.0	0.08	0.04	0.24	0.37	120
50th percentile	137	0.04	1.0	9.3	6.5	4.0	3.0	0.06	1.0	0.08	0.04	0.26	0.39	125
75th percentile	150	0.04	1.5	12.5	9.0	5.5	4.0	0.08	1.0	0.10	0.04	0.28	0.40	140
90th percentile	157	0.06	1.5	16.3	11.0	6.0	4.5	0.08	1.5	0.12	0.05	0.28	0.44	152
<b>37 weeks</b>														
Mean	135	0.05	1.3	11.5	7.8	4.9	3.3	0.07	1.1	0.09	0.04	0.27	0.41	128
(SD)	(14)	(0.01)	(0.4)	(3.7)	(2.6)	(1.6)	(1.3)	(0.01)	(0.3)	(0.01)	(0.01)	(0.02)	(0.03)	(19)
10th percentile	120	0.04	1.0	6.8	4.3	3.0	2.0	0.06	1.0	0.08	0.04	0.24	0.36	100
25th percentile	125	0.04	1.0	8.0	6.0	4.0	2.5	0.06	1.0	0.08	0.04	0.26	0.38	120
50th percentile	136	0.04	1.0	11.3	8.0	5.0	3.0	0.06	1.0	0.08	0.04	0.28	0.40	130
75th percentile	142	0.06	1.5	13.5	9.5	5.5	4.0	0.08	1.0	0.10	0.04	0.28	0.43	140
90th percentile	153	0.06	2.0	17.0	10.8	7.3	5.3	0.08	1.5	0.11	0.06	0.30	0.44	152
<b>38 weeks</b>														
Mean	132	0.04	1.3	12.2	7.8	4.5	3.1	0.07	1.1	0.09	0.04	0.27	0.4	131
(SD)	(16)	(0.01)	(0.4)	(4.8)	(2.6)	(1.5)	(1.3)	(0.01)	(0.3)	(0.02)	(0.01)	(0.02)	(0.03)	(19)
10th percentile	113	0.04	1.0	6.8	4.0	2.0	1.5	0.06	1.0	0.08	0.04	0.24	0.36	105

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From pre-page

Gestational Age	Heart Rate (bpm)	P duration (sec)	P amplitude (mm)	R amplitude in V1 (mm)	S amplitude in V1 (mm)	R amplitude in V6 (mm)	S amplitude in V6 (mm)	T duration (sec)	T amplitude (mm)	PR interval (sec)	QRS duration (sec)	QT interval (sec)	QTc	QRS Axis (degree)
25th percentile	120	0.04	1.0	8.0	6.0	4.0	2.5	0.06	1.0	0.08	0.04	0.24	0.39	120
50th percentile	133	0.04	1.0	12.0	8.3	4.5	3.0	0.08	1.0	0.08	0.04	0.28	0.40	130
75th percentile	142	0.04	1.5	15.0	10.0	5.0	3.5	0.08	1.0	0.10	0.04	0.28	0.40	140
90th percentile	157	0.06	1.8	18.5	11.0	6.0	4.3	0.08	1.5	0.12	0.06	0.30	0.44	152
<b>39 weeks</b>														
Mean (SD)	134 (18)	0.05 (0.01)	1.4 (0.4)	12.1 (4.8)	8.4 (2.4)	4.6 (1.8)	3.3 (1.5)	0.08 (0.02)	1.1 (0.3)	0.1 (0.02)	0.04 (0.01)	0.27 (0.02)	0.39 (0.03)	130 (23)
10th percentile	113	0.04	1.0	6.5	5.3	2.3	1.5	0.06	1.0	0.08	0.04	0.24	0.36	97
25th percentile	115	0.04	1.0	7.5	6.0	3.0	2.0	0.06	1.0	0.08	0.04	0.24	0.38	110
50th percentile	133	0.04	1.5	11.8	8.5	4.8	3.5	0.08	1.0	0.10	0.04	0.27	0.39	130
75th percentile	150	0.06	1.5	15.5	10.0	6.0	4.0	0.08	1.0	0.12	0.04	0.28	0.41	145
90th percentile	161	0.06	2.0	18.8	11.8	7.0	5.3	0.11	1.5	0.12	0.06	0.30	0.42	162
<b>40 weeks</b>														
Mean (SD)	122 (15)	0.04 (0.01)	1.2 (0.5)	12 (5.1)	8.5 (2.6)	4.5 (1.9)	3.4 (1.3)	0.07 (0.01)	1.1 (0.2)	0.09 (0.01)	0.04 (0.01)	0.28 (0.02)	0.4 (0.02)	131 (23)
10th percentile	100	0.04	1.0	6.0	5.5	2.0	1.8	0.06	1.0	0.08	0.04	0.26	0.38	100
25th percentile	111	0.04	1.0	7.5	6.0	3.0	3.0	0.06	1.0	0.08	0.04	0.28	0.39	115
50th percentile	123	0.04	1.0	12.3	8.3	4.3	3.5	0.07	1.0	0.08	0.04	0.28	0.40	130
75th percentile	136	0.04	1.0	15.5	11.0	6.0	4.0	0.08	1.0	0.10	0.04	0.30	0.41	150
90th percentile	145	0.06	2.0	19.3	12.0	7.0	4.5	0.08	1.5	0.12	0.04	0.30	0.44	162
<b>41 weeks</b>														
Mean (SD)	131 (14)	0.05 (0.01)	1.2 (0.4)	12.3 (4.5)	8.8 (2.4)	4.9 (1.8)	3.3 (1.4)	0.07 (0.01)	1.1 (0.2)	0.09 (0.02)	0.04 (0.01)	0.27 (0.02)	0.4 (0.03)	130 (20)
10th percentile	109	0.04	1.0	6.8	5.8	2.3	1.8	0.06	1.0	0.08	0.04	0.24	0.36	100
25th percentile	120	0.04	1.0	8.5	7.0	4.0	2.5	0.06	1.0	0.08	0.04	0.26	0.37	120
50th percentile	134	0.04	1.0	12.0	9.0	5.0	3.3	0.06	1.0	0.08	0.04	0.26	0.40	130
75th percentile	142	0.04	1.5	14.5	10.0	6.0	4.0	0.08	1.0	0.10	0.04	0.28	0.41	140
90th percentile	150	0.06	1.8	19.8	12.3	7.3	5.3	0.08	1.5	0.12	0.05	0.29	0.42	155

*n*=32 for gestational age of 40 weeks, 31 for weeks 32 and 33 and 30 for all other weeks.