

Appendix Table 1A. Serum Gastrin Concentrations

Weeks	Serum Gastrin Levels												
	Median, pg/mL												
	(Q1, Q3)												
	[Min, Max]												
	0	4	8	12	16	20	24	36	52	64	76	88	104
Lansoprazole 15 mg	146.0 (79.0, 341.5) [0, 2550] n = 208	235.0 (127.0, 383.0) [0, 1950] n = 210	224.0 (127.5, 443.5) [0, 2220] n = 204	220.0 (140.5, 376.5) [0, 2100] n = 196	273.0 (139.0, 503.0) [0, 2810] n = 181	246.0 (144.0, 475.0) [0, 1700] n = 174	248.0 (153.0, 495.0) [0, 2470] n = 175	294.0 (188.0, 495.0) [40, 2910] n = 119	242.0 (166.0, 468.0) [53, 1480] n = 113	292.0 (148.0, 427.0) [66, 1940] n = 45	311.0 (184.0, 459.0) [63, 1150] n = 27	270.5 (148.5, 508.0) [113, 659] n = 4	432.0 (432.0, 432.0) [432, 432] n = 1
Vonoprazan 10 mg	162.0 (92.0, 405.0) [38, 3030] n = 217	471.5 (245.0, 706.0) [65, 4060] n = 218	490.5 (258.5, 711.5) [54, 4200] n = 216	496.0 (245.0, 735.0) [62, 6020] n = 213	593.0 (275.0, 752.0) [52, 5140] n = 205	545.5 (263.5, 748.5) [71, 4280] n = 204	554.0 (302.0, 749.0) [75, 5330] n = 203	573.5 (277.0, 758.0) [33, 4170] n = 146	682.0 (347.5, 819.5) [55, 4570] n = 136	702.0 (245.0, 858.0) [57, 3820] n = 54	499.5 (232.0, 719.0) [78, 3220] n = 34	112.0 (112.0, 112.0) [112, 112] n = 1	–
Vonoprazan 20 mg	131.0 (81.5, 328.0) [33, 6420] n = 212	581.5 (265.5, 759.0) [55, 8290] n = 212	621.0 (340.0, 821.0) [64, 10700] n = 205	649.5 (343.0, 817.0) [59, 4480] n = 202	684.0 (351.0, 942.0) [73, 5910] n = 186	703.0 (365.0, 971.0) [57, 4840] n = 185	703.0 (412.0, 921.0) [65, 6070] n = 183	701.0 (413.0, 923.0) [54, 5830] n = 134	728.0 (499.0, 1050.0) [71, 6620] n = 126	702.0 (387.0, 1090.0) [92, 6120] n = 49	758.0 (383.0, 1170.0) [69, 4100] n = 26	338.0 (278.5, 546.0) [248, 725] n = 4	–

Appendix Table 1B. Serum Pepsinogen I Concentrations

Weeks	Pepsinogen I Levels												
	Median, ng/mL												
	(Q1, Q3)												
	[Min, Max]												
	0	4	8	12	16	20	24	36	52	64	76	88	104
Lansoprazole	60.45	102.20	96.75	96.40	97.90	91.55	101.20	102.20	100.60	97.40	115.40	116.90	159.60
15 mg	(37.30,	(58.90,	(62.30,	(63.60,	(59.90,	(61.80,	(58.90,	(60.20,	(64.90,	(73.20,	(78.40,	(64.70,	(159.60,
	111.45)	149.70)	155.65)	151.85)	152.70)	138.40)	144.20)	156.10)	160.30)	150.10)	170.60)	136.55)	159.60)
	[5.6, 714.5]	[7.8, 724.0]	[7.1, 709.0]	[8.0, 542.0]	[8.9, 639.0]	[5.7, 565.5]	[6.1, 566.0]	[5.9, 527.5]	[4.7, 618.5]	[7.7, 294.0]	[26.6, 313.5]	[21.0, 147.7]	[159.6, 159.6]
	n = 208	n = 210	n = 204	n = 196	n = 181	n = 174	n = 175	n = 119	n = 113	n = 45	n = 27	n = 4	n = 1
Vonoprazan	59.10	149.10	147.30	142.70	138.40	131.60	138.50	137.40	137.80	152.40	135.95	207.00	–
10 mg	(38.00,	(79.90,	(85.20,	(80.00,	(83.20,	(80.40,	(71.70,	(90.70,	(82.30,	(114.10,	(95.90,	(207.00,	–
	98.20)	244.50)	216.00)	202.50)	199.10)	192.10)	207.50)	192.30)	201.10)	247.00)	226.00)	207.00)	–
	[1.5, 476.0]	[1.9, 689.5]	[1.7, 547.0]	[1.6, 2800.0]	[2.2, 743.5]	[1.7, 2450.0]	[1.4, 555.0]	[1.9, 1383.0]	[1.5, 1347.0]	[16.1, 617.5]	[23.8, 415.0]	[207.0, 207.0]	–
	n = 217	n = 218	n = 216	n = 213	n = 205	n = 203	n = 203	n = 146	n = 136	n = 54	n = 34	n = 1	–
Vonoprazan	65.50	203.50	192.80	181.95	174.55	170.60	174.00	175.00	175.20	151.80	131.60	136.10	–
20 mg	(37.00,	(130.40,	(110.70,	(106.40,	(109.40,	(98.80,	(102.40,	(106.90,	(109.40,	(107.90,	(77.50,	(94.30,	–
	107.60)	326.75)	282.50)	283.50)	265.50)	261.00)	270.00)	261.00)	249.50)	196.00)	229.00)	151.95)	–
	[2.7, 903.0]	[1.7, 2500.0]	[2.3, 1128.0]	[3.1, 841.0]	[2.3, 832.5]	[2.7, 1128.0]	[2.5, 811.5]	[2.4, 927.5]	[2.8, 1300.0]	[8.8, 1240.0]	[8.2, 654.5]	[61.5, 158.8]	–
	n = 212	n = 212	n = 205	n = 202	n = 186	n = 185	n = 183	n = 134	n = 126	n = 49	n = 26	n = 4	–

Appendix Table 1C. Serum Pepsinogen II Concentrations

Weeks	Pepsinogen II Levels												
	Median, ng/mL												
	(Q1, Q3)												
	[Min, Max]												
	0	4	8	12	16	20	24	36	52	64	76	88	104
Lansoprazole 15 mg	12.20 (7.65, 19.90) [2.1, 89.5] n = 208	15.60 (9.50, 23.50) [2.4, 142.0] n = 210	15.15 (9.60, 22.35) [2.1, 104.5] n = 204	15.35 (10.35, 22.25) [2.1, 64.5] n = 196	14.80 (9.80, 22.50) [2.9, 70.5] n = 181	14.50 (9.40, 21.90) [1.4, 79.5] n = 174	14.90 (9.50, 22.10) [1.3, 65.2] n = 175	14.20 (9.10, 22.80) [1.4, 68.0] n = 119	14.60 (11.30, 22.30) [1.8, 75.5] n = 113	13.90 (9.90, 21.00) [1.0, 50.9] n = 45	14.30 (11.70, 20.50) [3.3, 45.5] n = 27	14.15 (7.10, 24.25) [3.2, 31.2] n = 4	17.10 (17.10, 17.10) [17.1, 17.1] n = 1
Vonoprazan 10 mg	10.60 (7.20, 19.40) [2.2, 81.5] n = 217	27.50 (15.90, 41.00) [2.2, 160.5] n = 218	24.90 (14.70, 34.70) [2.5, 90.5] n = 216	23.60 (14.80, 34.50) [2.0, 410.0] n = 213	22.90 (13.60, 35.80) [2.1, 135.5] n = 205	21.80 (13.00, 33.50) [2.6, 383.0] n = 203	21.70 (13.40, 33.00) [2.1, 108.5] n = 203	21.30 (13.40, 33.10) [2.8, 135.5] n = 146	20.05 (13.40, 31.00) [2.6, 219.5] n = 136	24.70 (15.30, 34.80) [3.3, 91.5] n = 54	23.80 (14.60, 30.00) [3.6, 70.5] n = 34	44.50 (44.50, 44.50) [44.5, 44.5] n = 1	–
Vonoprazan 20 mg	11.55 (6.60, 20.10) [2.5, 88.5] n = 212	37.50 (26.55, 62.95) [3.7, 358.0] n = 212	32.00 (23.00, 49.10) [4.0, 159.0] n = 205	30.15 (20.50, 45.50) [3.6, 159.5] n = 202	28.90 (19.00, 45.00) [3.8, 138.0] n = 186	26.50 (16.80, 43.50) [3.9, 112.0] n = 185	27.10 (17.60, 43.50) [3.2, 235.0] n = 183	26.75 (17.70, 42.50) [4.6, 106.0] n = 134	24.40 (17.00, 38.00) [4.0, 100.5] n = 126	24.50 (17.40, 29.50) [6.5, 117.5] n = 49	23.05 (14.40, 33.50) [6.0, 90.0] n = 26	22.45 (16.95, 26.20) [12.2, 29.2] n = 4	–

Appendix Table 2. List of Participants and their Affiliations at the Time of Study

Yoshiharu Amasaki, Akira Furusaki	- Tonan Hospital, Sapporo
Akira Sagawa	- Sagawa Akira Rheumatology Clinic, Sapporo
Seishi Ishigaki	- Sapporo Central Hospital, Sapporo
Kazuhide Tanimura	- Hokkaido Medical Center for Rheumatic Diseases, Sapporo
Megumu Yamamura	- Sapporo Maruyama Orthopaedic Hospital, Sapporo
Tomonori Yagi	- Yagi Orthopedics Hospital, Sapporo
Hirofumi Ohsaki	- Ohsaki Clinic, Sapporo
Yutaka Suzuki	- Sapporo Ryokuai Hospital, Sapporo
Naofumi Yamauchi	- Sapporo Kiyota Hospital, Sapporo
Miyuki Yamamura	- Sapporo Sports Clinic, Sapporo

Suichi Miyano	- Sunagawa City Medical Center, Sunagawa
Takatomi Oku	- Hokkaido Iryoudan Obihiro Daiichi Hospital, Obihiro
Yutaka Orii	- Asahikawa Kosei Hospital, Asahikawa
Kou Katayama	- Katayama Orthopedic Rheumatology Clinic, Asahikawa
Tsuyotoshi Tsuji	- Akita City Hospital, Akita
Takao Kodera	- Tohoku Medical and Pharmaceutical University, Sendai
Shinji Kumagai	- Nakajima Hospital, Sendai
Koichiro Satoh	- Southern Tohoku Fukushima Hospital, Fukushima
Noriyuki Nishino	- Southern Tohoku Research Institute for Neuroscience Southern Tohoku General Hospital, Kooriyama
Yuichi Sato	- Niigata University Graduate School of Medical and Dental Sciences, Niigata
Yoshiaki Matsuda	- Nagano Red Cross Hospital, Nagano

Yukio Nakatsuchi	- Marunouchi Hospital, Matsumoto
Motoyasu Kusano	- Gunma University Hospital, Maebashi
Hitoshi Takagi	- National Hospital Organization Takasaki General Medical Center, Fujioka
Masataka Fukue	- Koga Hospital, Koga
Masaaki Kanenobu	- Yuai Memorial Hospital, Koga
Ichiro Hirose	- National Hospital Organization Mito Medical Center, Ibaraki
Takeshi Nihei	- Mito Saiseikai General Hospital, Mito
Akio Yokoi	- National Hospital Organization Tokyo Medical Center , Tokyo
Kenichi Kawano	- Tokyo Takanawa Hospital, Tokyo
Kuniaki Kojima	- Sumida Central Hospital, Tokyo
Hironori Kowazaki	- Kohsei Chuo General hospital, Tokyo
Tetsuya Sanji	- Tokyo Kamata Medical Center, Tokyo

Yoshito Ide	- Haneda Orthopedics and Plastic Surgery, Tokyo
Manabu Yamamoto	- Adachi Kyosai Hospital, Tokyo
Akihiro Okawa	- Koishikawa Tokyo Hospital, Tokyo
Masahiro Ishii	- Sakaue Orthopedics Clinic, Tokyo
Masayoshi Kihara	- Kihara Orthopedic Clinic , Tokyo
Haruhisa Kuroda	- Kuroda Medical Clinic, Tokyo
Hiroshi Tomonari	- Tomonari Orthopedics and Plastic Surgery, Tokyo
Tohru Segawa	- National Hospital Organization Murayama Medical Center, Tokyo
Nobuhiko Harada	- Hachioji Digestive Disease Hospital, Tokyo
Jun Takatsuka	- Sagamihara Central Hospital, Sagamihara
Takanori Azuma	- Azuma Rheumatology Clinic, Sayama
Masatsune Yamagata	- Chiba Rosai Hospital, Ichihara

Sadaaki Miyagawa	- Miyagawa Hospital, Kawasaki
Hironao Tamai	- Kawasaki Municipal Hospital, Kawasaki
Seiji Otsuka	- Nippon Koukan Hospital, Kawasaki
Keigo Sasaki	- Sasaki Hospital, Yokohama
Yutaka Inaba	- Yokohama City University Hospital, Yokohama
Akiko Sasaki	- Shonan Kamakura General Hospital, Kamakura
Hikomichi Toyoshima	- Komagidai Clinic, Nagareyama
Masaya Mimura	- Funabashi Municipal Medical Center, Funabashi
Youji Harada	- Todachuo General Hospital , Toda
Masahiko Saito	- Kumagaya General Hospital, Kumagaya
Masahiko Ohata	- Maruyama Memorial General Hospital, Saitama
Ko Nishikawa	- Ageo Central General Hospital, Ageo

Keita Sasajima	- Saitama Red Cross Hospital , Saitama
Shuji Ohno	- Ohno Clinic, Hiki
Yuji Nishio	- Meitetsu Hospital, Nagoya
Takahisa Furuta	- Hamamatsu University School of Medicine, Hamamatsu
Masayoshi Kajimura	- Enshu Hospital, Hamamatsu
Toshiaki Miyamoto	- Seirei Hamamatsu General Hospital, Hamamatsu
Toshimasa Asai	- Asai Hospital, Seto
Toru Maeda	- Nagoya Tokushukai General Hospital, Kasugai
Hiroshi Hasegawa	- National Hospital Organization Mie-Chuo Medical Center, Tsu
Kiyoshi Ashida	- Osaka Saiseikai Nakatsu Hospital , Kyoto
Hirohisa Tanimura	- Osaka Kaisei Hospital, Osaka
Toshifumi Ito	- Japan Community Healthcare Organization Osaka Hospital, Osaka

Shingo Tsuji	- JCHO Osaka Bay Central Hospital, Osaka
Yoshiaki Osaka	- Minamiosaka Hospital , Osaka
Shinya Michigami	- Ikeda Hospital, Higashiosaka
Masahiro Sakaguchi	- Moriguchi Keijinkai Hospital, Moriguchi
Takeshi Kubota	- Tondabayashi Hospital, Osaka Prefecture Branch of Saiseikai, Tondabayashi
Hiroshi Kashida	- Kindai University Hospital, Sayama
Eijiro Hayashi	- Kinki Central Hospital, Osaka
Norihiro Samoto	- Nara Prefecture Medical Center, Nara
Satoshi Soen	- Kindai University Nara Hospital, Ikoma
Teiji Kontani	- Komatsu Municipal Hospital, Komatsu
Kiyoshi Izumino	- Fujikoshi Hospital, Toyama
Naoki Wakabayashi	- Otsu Municipal Hospital, Otsu

Yoshihide Fujiyama	- Shiga University of Medical Science, Otsu
Katsunori Mizuno	- Fukui General Hospital, Fukui
Shinichi Katsuo	- Fukui General Hospital, Fukui
Kiminori Kubo	- Kobe Rosai Hospital, Kobe
Misa Toda	- Toda Internal Medicine & Rehabilitation, Akashi
Akira Okamoto	- National Hospital Organization Himeji Medical Center, Himeji
Tsukasa Matsubara	- Matsubara Mayflower Hospital, Kato
Eitatsu Arai	- Nishinomiya Kyoritsu Neurosurgical Hospital, Nishinomiya
Hideaki Imada	- National Hospital Organization Higashihiroshinma Medical Center, Hiroshima
Hironao Komatsu	- JA Hiroshima General Hospital, Hatsukaichi
Kenzo Shirasawa	- Shimonoseki City Hospital, Shimonoseki
Jun Nishikawa	- Yamaguchi University Graduate School of Medicine, Ube

Tatsuya Toyokawa	- National Hospital Organization Fukuyama Medical Center, Fukuyama
Ken Haruma	- Kawasaki Hospital, Kawasaki Medical School, Kurashiki
Ryoji Miyake	- Takamatsu Municipal Hospital, Takamatsu
Tatsuhiko Henmi	- Tokushima Prefecture Naruto Hospital, Naruto
Yoshinori Takei	- Izumino Hospital, Kochi
Nobutoshi Kuniyoshi	- Kuniyoshi Hospital, Kochi
Takashi Kobayashi	- Jyuzen General Hospital, Niihama
Takuro Omori	- Saiseikai Saijo Hospital, Saijo
Yuji Mizukami	- Matsuyama Shimin Hospital, Matsuyama
Ken Inoue	- Inoue Hospital, Itoshima
Yasunori Kyoyama	- Shinyukhashi Hospital, Yukuhashi
Shigeru Fujii	- Fukuoka Shin Mizumaki Hospital, Onga

Junichi Shida	- Onga Hospital, Fukuoka
Tetsuo Hisadome	- Shin Komonji Hospital, Kitakyushu
Kazutomo Yamasaki	- Tagawa Municipal Hospital, Fukuoka
Toshiyuki Tsuruta	- Tsuruta Orthopaedic Clinic, Ogi
Tadashi Tomonaga	- Nagasaki Harbor Medical Center City Hospital, Nagasaki
Syotaro Tsuruta	- The Japanese Red Cross Nagasaki Atomic Bomb Hospital, Nagasaki
Katsuhiko Sakuma	- Japanese Red Cross Kumamoto Hospital, Kumamoto
Motohiro Oribe	- Oribe Clinic of Rheumatism and Medicine, Oita
Hiroshi Satoh	- Oita Oka Hospital, Oita
Tetsuya Ishida	- Oita Red Cross Hospital, Oita
Kazuhiro Mizukami	- Oita University Hospital, Yufu