

## Overview of LARS score translations and validation studies, January 2018

Language	Country	Contact	Address	e-mail	references/notes
<b>Danish</b>	Denmark	1: Therese Juul 2: Katrine Emmertsen	Department of Surgery, Aarhus University Hospital,	1: therjuul@rm.dk 2: katremme@rm.dk	Juul T, Ahlberg M, Biondo S, Emmertsen KJ, Espin E, Jimenez LM, Matzel KE, Palmer G, Sauermann A, Trenti L, Zhang W, Laurberg s, Christensen P. International validation of the low anterior resection syndrome score. Annals of Surgery. 2014;259(4):728-34. doi: 10.1097/SLA.0b013e31828fac0b
<b>Dutch</b>	Netherlands	1:Britt Hupkens 2: Roberta Issa	1: Maastricht University Medical Center, Dpt. of Surgery, Maastricht, The Netherlands 2: Value3Health, Deventer, Netherlands	1:Britt.hupkens@gmail.com 2:r.issa@value2health.com	Validation study Submitted
<b>English</b>	United Kingdom	Nick Battersby	Basingstoke Colorectal Unit and The Pelican Cancer Foundation Basingstoke RG24 9NN	nickbattersby@nhs.net	Juul T, Battersby NJ, Christensen P, Janjua AZ, Branagan G, Laurberg S, Emmertsen KJ, Moran B; UK LARS Study Group. Validation of the English translation of the low anterior resection syndrome score. Colorectal Dis. 2015 Oct;17(10):908-16. doi: 10.1111/codi.12952.
<b>Finnish</b>	Finland	Eeva Elamo	Department of Gastrointestinal Surgery Turku University Hospital, Finland	ekhirv@utu.fi	Validation study is initiated
<b>French</b>	France	Arnaud Alves	Chirurgie Viscérale et Digestive Caen University Hospital France	alves-a@chu-caen.fr	Translated by professional translation agency, following international recommendations. A multicenter project, "Validation of the French version of the LARS score" has been initiated, supported by the Institut National du Cancer (INCA) the French Research Group of Rectal Cancer Surgery (GRECCAR)
<b>German</b>	Germany	Therese Juul	Dept. of surgery Aarhus University Hospital, Denmark	therjuul@rm.dk	Juul T, Ahlberg M, Biondo S, Emmertsen KJ, Espin E, Jimenez LM, Matzel KE, Palmer G, Sauermann A, Trenti L, Zhang W, Laurberg s, Christensen P. International validation of the low anterior resection syndrome score. Annals of Surgery. 2014;259(4):728-34. doi: 10.1097/SLA.0b013e31828fac0b
<b>Hebrew</b>	Israel	Nir Wasserberg	Department of Surgery , Beilinson Campus, Rabin Medica Center, Israel.	nirw@clalit.org.il	Validation study is planned.
<b>Japanese</b>	Japan	1: Emi Akizuki	Department of Surgery, Surgical	1: akizuki@sapmed.ac.jp	"Validation of the Japanese version of the Low Anterior

		2: Ichiro Takemasa	Oncology and Science, SAPPORO MEDICAL UNIVERSITY School of Medicine Hokkaido, Japan	2: itakemasa@sapmed.ac.jp	Resection Syndrome Score" has been accepted for publication in the World Journal of Surgery.
<b>Korean</b>	Korea	Ji Won Park	Division of Colorectal Surgery Department of Surgery Seoul National University College of Medicine Seoul National University Hospital 101 Daehak-ro, Jongno-gu, 110- 744, Seoul, Korea	sowisdom@gmail.com	Currently under validation through the collaboration with multi-institution in Korea
<b>Lithuanian</b>	Lithuania	1:Audrius Dulskas 2:Narimantas E. Samalavicius	National Cancer Institute Lithuania	1: audrius.dulskas@gmail.com 2: narimantas.samalavicius@gmail.com	Samalavicius NE, Dulskas A, Lasinskas M, Smailyte G. Validity and reliability of a Lithuanian version of low anterior resection syndrome score. Tech Coloproctol 2016;20(4):215-220. doi: <a href="https://doi.org/10.1007/s10151-015-1424-0">10.1007/s10151-015-1424-0</a> .
<b>Malay</b>	Singapore	Mark Wong	Colorectal Clinic Associates, Mount Elizabeth Novena Hospital, Specialist Centre #10- 48/49, 38 Irrawaddy Road, Singapore 329563	markwongtc@gmail.com	Translated, not yet validated
<b>Malayalam</b>	India	Jacob Mathew	Department of Surgical Gastroenterology and Liver Transplantation VPS Lakeshore Hospital Kochi, Kerala India	jacobmathew@gmail.com	Translated following international guidelines. Not yet validated. Used in a cross sectional study of defecatory disorders among patients who have undergone LAR. The data has been presented at some conferences at the national level in India but is not published. Mathew J, Sindhu RS, Natesh B, Rajan R (2014). Low anterior Resection Syndrome : A cross sectional study using the LARS Score. Unpublished Manuscript. Government Medical College Thiruvananthapuram, Kerala, India
<b>Mandarin</b>	Singapore	Mark Wong	Colorectal Clinic Associates, Mount Elizabeth Novena Hospital, Specialist Centre #10- 48/49, 38 Irrawaddy Road, Singapore 329563	markwongtc@gmail.com	Translated, not yet validated
<b>Mandarin Chinese</b>	China	Dong Pang	Peking University School of Nursing Beijing, P.R. China,	pangdong@bjmu.edu.cn	Hou XT, Pang D, Lu Q, Yang P, Jin SL, Zhou YJ, Tian SH. Validation of the Chinese version of the low anterior resection syndrome score for measuring bowel dysfunction after sphincter-preserving surgery among rectal cancer patients. Eur J Oncol Nurs. 2015,19(5):495-501. doi: <a href="https://doi.org/10.1016/j.ejon.2015.02.009">10.1016/j.ejon.2015.02.009</a> . Epub 2015 Mar 23.

<b>Norwegian</b>	Norway	Anne Karliczek	Haukeland University Hospital, Department for gastrointestinal Surgery, Haukelandsveien, 5021 Bergen, Norway	anne.karliczek@helse-bergen.no	Tidsskr Nor Laegeforen. 2016 Feb 9;136(3):212. doi: 10.4045/tidsskr.15.1010. eCollection 2016 Feb 9.  [Surveying complaints after colorectal surgery].  [Article in Norwegian] Karliczek A, Furnes B, Pfeffer F.
<b>Polish</b>	Poland	Mirosław Szura	Department of Experimental and Clinical Surgery, Jagiellonian University, Krakow, Poland	miroslaw.szura@uj.edu.pl	Translated, not yet validated
<b>Portuguese</b>	Brazil	Kelly Buzatti	Rua dos Otoni 735 sala 1001. Bairro Santa Efigênia . Belo Horizonte. Minas Gerais. Brazil.	kellybuzatti@gmail.com	A validation study has been conducted and the paper has been submitted for publication
<b>Portuguese</b>	Portugal	1.Nuno Rama 2. Pedro Lopes Ferreira	Centro Hospitalar Leiria (Serviço de Cirurgia I) Hospital D. Manuel Aguiar (Leiria) Centro Hospitalar N. Sra Conceição (Batalha)	1: ramanuno@gmail.com 2: pedrof@fe.uc.pt	A validation study has been conducted and the paper is in the process of publication
<b>Russian</b>	Russia	Evgeny Rybakov	State Scientific Centre of coloproctology Moscow Russia	erybakov@gmail.com	The reference is in journal Koloproktologia (article in Russian language only, abstract not available in PubMed) Шельгин Ю.А., Пикун Д.Ю., Хомяков Е.А., Рыбаков Е.Г. Валидация русскоязычной версии опросника по оценке выраженности синдрома низкой передней резекции прямой кишки. Колопроктология 2016. 4(28) с. 7-14.  Shelygin Yu.A., Pikunov D.Yu., Khomyakov E.A., Rybakov E.G. Validation of the Russian translation of the low anterior resection syndrome score. <b>Koloproktologia 2016 4(28) p. 7-14.</b>
<b>Slovenian</b>	Slovenia	1: Jan Grosek 2: Gregor Norčič	Department for Abdominal Surgery University Medical Centre Ljubljana, Ljubljana, Slovenia	1: jangrosek@gmail.com 2: gregor.norcic@kclj.si	Validation study is initiated
<b>Spanish</b>	Spain	1: Loris Trenti 2: Eloy Espin	1: Hospital Universitario de Bellvitge, Barcelona 2: Hospital Universitario Valle de Hebron, Barcelona	1: loris.trenti@bellvitgehospital.cat 2: eespin@vhebron.net	Juul T, Ahlberg M, Biondo S, Emmertsen KJ, Espin E, Jimenez LM, Matzel KE, Palmer G, Sauermann A, Trenti L, Zhang W, Laurberg s, Christensen P. International validation of the low anterior resection syndrome score. Annals of Surgery. 2014;259(4):728-34. doi: 10.1097/SLA.0b013e31828fac0b
<b>Swedish</b>	Sweden	Gabriella Palmer	Gabriella Palmer, Division of	gabriella.jansson-palmer@sll.se	Juul T, Ahlberg M, Biondo S, Emmertsen KJ, Espin E, Jimenez

			Coloproctology, Karolinska University hospital, Stockholm, Sweden		LM, Matzel KE, Palmer G, Sauermann A, Trenti L, Zhang W, Laurberg s, Christensen P. International validation of the low anterior resection syndrome score. Annals of Surgery. 2014;259(4):728-34. doi: 10.1097/SLA.0b013e31828fac0b
<b>Tamil</b>	India	Dr. Madhupriya	Cancer Institute (WIA) Guindy, Chennai, Tamil Nadu, India	rgsmadhu@gmail.com	Translated, not yet validated
<b>Tamil</b>	Singapore	Mark Wong	Colorectal Clinic Associates, Mount Elizabeth Novena Hospital, Specialist Centre #10-48/49, 38 Irrawaddy Road, Singapore 329563	markwongtc@gmail.com	Translated, not yet validated