


## PERSONAL INFORMATION


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**Date of birth** 20 March 1977 | **Nationality** Swedish, German, British

## JOB APPLIED FOR

**Enhetschef – Enheten för materiel, forskning och utveckling vid Försvarsdepartementet**

## WORK EXPERIENCE

June 2021 – Present

**Director of Department for Total Defence**

Swedish Armed Forces, Centre for Defence Medicine  
Göta Älvsgatan 20, SE-426 21 Västra Frölunda

- National strategic contingency plan development for healthcare sector utilising civil-military resources.
- Head of the Covid-19 task force 2021
- Area leadership in NATO Science & Technology Organization panel
- Board of Military Surgeons of Sweden
- Leading two units with 7-10 experts and officers each

**Business or sector** Government

December 2018 – Present

**Director of Centre for Disaster Medicine and Traumatology**

Gothenburg University, Sahlgrenska Academy, Institute for Clinical Sciences  
Medicinaregatan 3A, Box 100, SE-405 30 Göteborg

- Academic leadership in disaster and military medicine
- Main supervisor of two PhD students
- Evaluator for Vinnova and the European Commission
- Swedish National Council for Disaster Medicine

**Business or sector** Academia

January 2018 – May 2021

**Director of Medical Research & Development Unit**

Swedish Armed Forces, Centre for Defence Medicine, Dept. of Research & Development  
Göta Älvsgatan 20, SE-426 21 Västra Frölunda

- Secretary of the multidisciplinary medical advisory board to the Surgeon General
- Strategic science & technology planning
- Swedish panel representative in NATO Science & Technology Organization
- Leading a team of 10 senior medical experts

**Business or sector** Defence R&D

June 2013 – December 2018

**Associate Professor Spine Surgery**

Uppsala University, Dept. of Surgical Sciences  
Ing 61, plan 7, SE-751 85 Uppsala

- Main supervisor of two PhD students
- Undergraduate teaching
- Program committee chair of Cervical Spine Research Society – Europe, Chair of AO Spine Nordic Region
- Secretary of Society of Swedish Spine Surgeons
- Gullstrand 50% clinical research grant 2015-2017

Business or sector Academia

January 2008 – December 2017 **Consultant Spine Surgeon**

Uppsala University Hospital, Dept. of Orthopaedic Surgery  
Ing 61, plan 7, SE-751 85 Uppsala

- Increasing change management responsibilities
- Performing highly specialized spine surgery
- Leading and educating junior orthopaedic surgeons

Business or sector Clinical medicine

May 2003 – December 2007 **Resident Trauma Surgeon**

Charité University Hospital, Campus Benjamin Franklin, Berlin, Germany

My trauma surgery residency in one of Europe's leading level 1 trauma hospitals enabled a steep surgical learning curve.

Business or sector Clinical medicine

## EDUCATION AND TRAINING

- |  |   |          |
|--|---|----------|
| 2019–2021  | <b>Commissioned Officer Training</b>              | ISCED 5b |
| <p>Staff officer education in organisation, leadership, mission-type tactics, military strategy and international law. Battalion staff surgeon during brigade exercise.<br/>Swedish Defence University, Stockholm, Sweden</p>  |   |          |
| 2016–2018  | <b>M.B.A. International Healthcare Management</b> | ISCED 5b |
| <p>Master of Business and Administration program with focus on international healthcare management. Modules in Frankfurt, Bangalore, London, Singapore, Dubai, and Baltimore allowed comparative studies of healthcare systems and solutions. Topics were budgeting, accounting, facility management, human resources, hospital IT systems, business planning and valuation. Frankfurt School of Finance &amp; Management, International Healthcare Management, Frankfurt, Germany</p> |   |          |
| 2013–2018  | <b>Ph.D. - Thesis</b>                             | ISCED 6  |
| <p>Title: "Spinal fractures related to ankylosing spondylitis: Epidemiology, clinical outcome and biomechanics" [77]<br/>Uppsala University, Dept. of Orthopaedic Surgery, Sweden</p>  |   |          |
| 2013   | <b>University Teacher Training Course</b>         | ISCED 5a |
| <p>University Teacher Training Course for appointment as associate professor/senior lecturer.<br/>Uppsala University, Uppsala, Sweden</p>  |   |          |
| 2000–2005  | <b>Dr. med. - Thesis</b>                          | ISCED 6  |
| <p>Title: "Indirect red blood cell age assessment in male athletes" [78]<br/>Freie Universität, Dept. of Sports Medicine, Berlin, Germany</p>  |   |          |
| 1996–2003  | <b>Medical school</b>                             | ISCED 5a |
| <p>Karolinska Institute, Stockholm, Sweden (ERASMUS student)<br/>Charité University Hospital, Freie University, Berlin, Germany<br/>Ruhr-University Bochum, Germany</p>  |   |          |

**PERSONAL SKILLS**

Mother tongue German

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
International English Language Testing System (IELTS) C1					
Swedish	C2	C2	C2	C2	C2
French	B1	B1	A2	A2	B1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user  
[Common European Framework of Reference for Languages](#)

**Communication skills**

- Team work: I have worked in various types of teams from research teams to national sports teams. I enjoy leading multidisciplinary teams where every team member participates and contributes towards a shared vision.
- Mediating skills: I have successfully negotiated agreements between Swedish national agencies, between NATO Science & Technology Organization partner nations, and between research consortia and the European Defence Agency.
- Intercultural skills: With German and British parents I grew up in an intercultural context. I am experienced at working in a international dimension such as being a national panel representative for the NATO Science & Technology Organization. Furthermore I have been chairperson and officer in multiple international professional boards.

**Organisational / managerial skills**

- My department consists of 17 analysts and medical officers. As a head of department I lead through two subordinate team leaders.
- During my years as Medical Research Director I have successfully improved the medical research organisation, including policy, economic planning, and staffing. Furthermore I have successfully applied transformational leadership enabling staff development and engagement.
- I am responsible for a research budget of approx. 4 million EUR annually. This includes economic reporting and KPI follow-up.
- I am the chair of the defence medical science and technology group, which includes strategic and operational management of academic research groups.
- During a field mission I was chief surgeon at a NATO field hospital.
- As editor of an anthology on Cervical Spine Surgery [74] with more than 100 co-authors, I applied my project management skills to lead the book project to a successful publication.

**Digital competences**

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Proficient user	Independent user	Independent user

[Digital competences - Self-assessment grid](#)

**Computer skills**

- competent with most Microsoft Office and Adobe applications
- programming HTML, R, and LaTeX

**Other skills** I enjoy designing and leading construction and gardening projects. I am interested in most water sports as sailing, surfing and diving. My leisure time I try to spend as much as possible with my family.

**Driving licence** B, BE, C, CE

## ORIGINAL PUBLICATIONS

- [1] A. Khorram-Manesh, L. J. Mortelmans, **Y. Robinson**, F. M. Burkle, and K. Goniewicz. “Civilian-Military Collaboration before and during COVID-19 Pandemic - A Systematic Review and a Pilot Survey among Practitioners”. In: *Sustainability* 14.2 (2022), p. 624.
- [2] A. Khorram-Manesh, F. M. Burkle, K. Goniewicz, and **Y. Robinson**. “Estimating the Number of Civilian Casualties in Modern Armed Conflicts-A Systematic Review”. In: *Front Public Health* 9 (2021), p. 765261.
- [3] C. Carrwik, C. Olerud, and **Y. Robinson**. “Survival after surgery for spinal metastatic disease - a nationwide multiregistry cohort study”. In: *BMJ Open* 11.11 (2021), e049198.
- [4] M. Schüler, K. Johansson, J. Vega Matuszczyk, and **Y. Robinson**. “The Swedish pandemic landscape on twitter - An exploratory study using statistical methods, Conference: 26th International Command and Control Research and Technology Symposium”. In: ICCRTS Proceedings. Oct. 2021.
- [5] C. Carrwik, C. Olerud, and **Y. Robinson**. “Does knowledge of the primary tumour affect survival after surgery for spinal metastatic disease? A retrospective longitudinal cohort study”. In: *BMJ Open* 11.8 (2021).
- [6] A. Khorram-Manesh, K. Goniewicz, F. M. Burkle, and **Y. Robinson**. “Review of Military Casualties in Modern Conflicts—The Re-emergence of Casualties From Armored Warfare”. In: *Military Medicine* (2021).
- [7] B. A. Karamian, G. D. Schroeder, M. Holas, A. F. Joaquim, J. A. Canseco, S. Rajasekaran, L. M. Benneker, F. Kandziora, K. J. Schnake, F. C. Öner, C. K. Kepler, A. R. Vaccaro, AO Spine Cervical Classification Group including, and **Y. Robinson**. “Variation in global treatment for subaxial cervical spine isolated unilateral facet fractures”. In: *Eur Spine J* (2021).
- [8] **Y. Robinson**, M. García Lozano, J. Appelgren, J. Benschhof, H. Börjesson, J. Clausen Mork, M. Dansarie, J. Gustafsson, S. Hedenstierna, C. Ivgren, K. Karlgren, L. Luotsinen, J. Rantakokko, and N. Wadströmer. *AI and the future defence medicine*. Tech. rep. FOI-R–5045–SE. Swedish Defence Research Agency, Dec. 2020, p. 157.
- [9] A. Khorram-Manesh, F. M. Burkle, P. Phattharapornjaroen, M. Ahmadi Marzaleh, M. A. Sultan, M. Mäntysaari, E. Carlström, K. Goniewicz, E. Santamaria, J. D. Comandante, R. Dobson, B. Hreckovski, G.-E. Torgersen, L. J. Mortelmans, M. de Jong, and **Y. Robinson**. “The Development of Swedish Military Healthcare System: Part II — Re-evaluating the Military and Civilian Healthcare Systems in Crises Through a Dialogue and Study Among Practitioners”. In: *Mil Med* (Nov. 2020).
- [10] A. Khorram-Manesh, N. Arvidsson, and **Y. Robinson**. “Management of COVID-19 Pandemic – The Swedish Perspective”. In: *HealthManagement* 20.7 (Oct. 2020), pp. 516–619.
- [11] J. A. Canseco, G. D. Schroeder, P. D. Patel, G. Grasso, M. Chang, F. Kandziora, E. N. Vialle, F. C. Oner, K. J. Schnake, M. F. Dvorak, J. R. Chapman, L. M. Benneker, S. Rajasekaran, C. K. Kepler, A. R. Vaccaro, AO Spine Cervical Classification Group including, and **Y. Robinson**. “Regional and experiential differences in surgeon preference for the treatment of cervical facet injuries: a case study survey with the AO Spine Cervical Classification Validation Group”. In: *Eur Spine J* 30.2 (2020), pp. 517–523.
- [12] A. Khorram-Manesh, **Y. Robinson**, K. Boffard, and P. Örténwall. “The History of Swedish Military Healthcare System and Its Path Toward Civilian-Military Collaboration From a Total Defense Perspective”. In: *Mil Med* 185.9-10 (2020), e1492–e1498.
- [13] M. Blimark, P. Örténwall, H. Lönroth, P. Mattsson, K. D. Boffard, and **Y. Robinson**. “Swedish emergency hospital surgical surge capacity to mass casualty incidents”. In: *Scand J Trauma Resusc Emerg Med* 28.1 (2020), p. 12.
- [14] C. Carrwik, C. Olerud, and **Y. Robinson**. “Predictive Scores Underestimate Survival of Patients With Metastatic Spine Disease: A Retrospective Study of 315 Patients in Sweden”. In: *Spine (Phila Pa 1976)* 45.6 (2020), pp. 414–419.

- [15] K. Atesok, N. Tanaka, **Y. Robinson**, J. Pittman, and S. Theiss. "Current Best Practices and Emerging Approaches in the Management of Acute Spinal Trauma". In: *Adv Orthop* 2019 (2019), p. 8634260.
- [16] A. MacDowall, N. Canto Moreira, C. Marques, M. Skeppholm, L. Lindhagen, **Y. Robinson**, H. Löfgren, K. Michaëlsson, and C. Olerud. "Artificial disc replacement versus fusion in patients with cervical degenerative disc disease and radiculopathy: a randomized controlled trial with 5-year outcomes". In: *J Neurosurg Spine* 30.3 (2019), pp. 323–331.
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- [19] N. Manabe, A. Covaro, L. Bobinski, T. Shimizu, C. Olerud, and **Y. Robinson**. "The Relationship between the Occipitocervical Junction and Thoracic Kyphosis in Ankylosing Spondylitis: A Retrospective Cohort Study of 86 Cervical Fractures in Surgically Treated Patients". In: *Asian Spine J* 13.1 (2019), pp. 103–110.
- [20] M. Elmekaty, Y. Kotani, E. E. Mehry, **Y. Robinson**, A. E. Tantawy, I. Sekiguchi, and R. Fujita. "Clinical and Radiological Comparison between Three Different Minimally Invasive Surgical Fusion Techniques for Single-Level Lumbar Isthmic and Degenerative Spondylolisthesis: Minimally Invasive Surgical Posterolateral Fusion versus Minimally Invasive Surgical Transforaminal Lumbar Interbody Fusion versus Midline Lumbar Fusion". In: *Asian Spine J* 12.5 (2018), pp. 870–879.
- [21] **Y. Robinson**, V. Lison Almkvist, C. Olerud, P. Halldin, and M. Fahlstedt. "Finite Element Analysis of Long Posterior Transpedicular Instrumentation for Cervicothoracic Fractures Related to Ankylosing Spondylitis". In: *Global Spine J* 8.6 (2018), pp. 570–578.
- [22] A. L. Robinson, G. Schmeiser, **Y. Robinson**, and C. Olerud. "Surgical vs. non-surgical management of displaced type-2 odontoid fractures in patients aged 75 years and older: study protocol for a randomised controlled trial". In: *Trials* 19.1 (2018), p. 452.
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- [27] K. Atesok, N. Tanaka, A. O'Brien, **Y. Robinson**, D. Pang, D. Deinlein, S. R. Manoharan, J. Pittman, and S. Theiss. "Posttraumatic Spinal Cord Injury without Radiographic Abnormality". In: *Adv Orthop* 2018 (2018), p. 7060654.

- [28] A. A. Covaro, N. Manabe, L. Bobinski, C. Olerud, and **Y. Robinson**. “The importance of the occipitocervical area in patients with ankylosing spondylitis analysis of a cohort of 86 cervical fractures in surgically treated patients”. In: *J Craniovertebr Junction Spine* 8.4 (2017), pp. 374–377.
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- [33] A. MacDowall, **Y. Robinson**, M. Skeppholm, and C. Olerud. “Anxiety and depression affect pain drawings in cervical degenerative disc disease”. In: *Ups J Med Sci* 122.2 (2017), pp. 99–107.
- [34] **Y. Robinson**, B. Sandén, G. Snellman, J. Triebel, and F. Strömquist. “Spine registries generate patient benefit in the century of big data: Author response to: Big data analysis reveals the truth of lumbar fusion: gender differences”. In: *Spine J* 17.5 (2017), pp. 755–756.
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- [36] J. Triebel, G. Snellman, B. Sandén, F. Strömquist, and **Y. Robinson**. “Women do not fare worse than men after lumbar fusion surgery: Two-year follow-up results from 4,780 prospectively collected patients in the Swedish National Spine Register with lumbar degenerative disc disease and chronic low back pain”. In: *Spine J* 17.5 (2017), pp. 656–662.
- [37] Q. Li, J. Dong, Y. Yang, G. Wang, Y. Wang, P. Liu, **Y. Robinson**, and D. Zhou. “Retroperitoneal packing or angioembolization for haemorrhage control of pelvic fractures—Quasi-randomized clinical trial of 56 haemodynamically unstable patients with Injury Severity Score 33”. In: *Injury* 47.2 (2016), pp. 395–401.
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- [39] C. Matthiessen and **Y. Robinson**. “Epidemiology of atlas fractures—a national registry-based cohort study of 1,537 cases”. In: *Spine J* 15.11 (2015), pp. 2332–7.
- [40] **Y. Robinson**, R. Sheta, K. Salci, and J. Willander. “Blood Loss in Surgery for Aggressive Vertebral Haemangioma with and without Embolisation”. In: *Asian Spine J* 9.3 (2015), pp. 483–91.
- [41] **Y. Robinson**, A. L. Robinson, and C. Olerud. “Complications and survival after long posterior instrumentation of cervical and cervicothoracic fractures related to ankylosing spondylitis or diffuse idiopathic skeletal hyperostosis”. In: *Spine (Phila Pa 1976)* 40.4 (2015), E227–33.
- [42] **Y. Robinson**, A. L. Robinson, and C. Olerud. “Systematic review on surgical and nonsurgical treatment of type II odontoid fractures in the elderly”. In: *Biomed Res Int* 2014 (2014), p. 231948.
- [43] **Y. Robinson**, K. Michaëlsson, and B. Sandén. “Instrumentation in lumbar fusion improves back pain but not quality of life 2 years after surgery. A study of 1,310 patients with degenerative disc disease from the Swedish Spine Register SWESPINE”. In: *Acta Orthop* 84.1 (2013), pp. 7–11.

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- [47] E. Gulle, C. Skärvinge, K. Runberg, **Y. Robinson**, and C. Olerud. “Pharmacological strategies to reduce pruritus during postoperative epidural analgesia after lumbar fusion surgery - a prospective randomized trial in 150 patients”. In: *Patient Saf Surg* 5.1 (2011), p. 10.
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- [50] **Y. Robinson** and B. Sandén. “Spine imaging after lumbar disc replacement: pitfalls and current recommendations”. In: *Patient Saf Surg* 3.1 (2009), p. 15.
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- [57] **Y. Robinson**, S. K. Tschöke, P. F. Stahel, R. Kayser, and C. E. Heyde. “Complications and safety aspects of kyphoplasty for osteoporotic vertebral fractures: a prospective follow-up study in 102 consecutive patients”. In: *Patient Saf Surg* 2 (2008), p. 2.
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