

# Charlotte J. Haug

MD, PhD, MSc

- Senior researcher SINTEF Technology and Society, International Correspondent for the New England Journal of Medicine, and Adjunct Affiliate at Stanford Health Policy.
- MD, PhD from the University of Oslo, Norway, specializing in infectious diseases and immunology, and MSc in Health Services Research from Stanford University with an emphasis on health economy, organization and prioritization in health care as well as biostatistics.
- Worked for 10 years in clinical medicine and research at the National Hospital in Norway, for five years with organization, priority setting and supervision of health care systems in Norway as well as globally, working for both the National Board of Health and the Department of Health in Norway.
- Editor-in-Chief of the Journal of the Norwegian Medical Association from 2002 to 2015.

## Personal Info

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## Languages

**Norwegian** Native

**English** Fluent (speaking, reading, writing)

**French** Intermediate (speaking, reading); basic (writing)

**German** Intermediate (speaking, reading); basic (writing)

## Experience

**2016-10 - present**

### Senior Researcher

*SINTEF, Technology and Society - Department of Health*

SINTEF Technology and Society is a multidisciplinary research institute that is active in the fields of industry, technology and the social sciences. SINTEF creates knowledge and solutions for private industry and public authorities. In the department of health our research is aimed at health challenges in all parts of society and every aspect of life.

**2015-02 - present**

### International Correspondent

*The New England Journal of Medicine, Boston, USA*

The New England Journal of Medicine is a weekly medical journal published by the Massachusetts Medical Society. It is among the most prestigious peer-reviewed medical journals in the world with an Impact Factor of 72,4 (2017). I am the journal's only international correspondent. My responsibilities include writing perspective articles and help develop the journal's international presence and relevance.

**2002-01 - 2015-02**

### Editor-in-Chief

*Journal of the Norwegian Medical Association*

As full time editor-in-chief of the Journal of the Norwegian Medical Association I took the journal through extensive changes in publication technology and content to meet the needs of readers in the 21st century. The journal is the only peer-reviewed general medical journal in Norway, published every second week with a circulation of 25 000. In addition to developing the quality, relevance and business model of the journal, I was working extensively with issues concerning scientific publication and publication ethics internationally. I was a member of International Committee of Medical Journal Editors (ICMJE, the "Vancouver-group") from 2002 - 2015, and a council member of Committee on Publication Ethics (COPE) from 2005 - 2015. I was COPE vice chair from 2013 -2015

**2000-02 - 2002-01**

### Senior Researcher

*SINTEF Unimed - Norway*

Supervised health policy research at SINTEF Unimed which at the time was the largest independent research organization in Scandinavia. My own research emphasized on international comparative studies of health care systems, two of them lead from the Center for Health Policy at Stanford University and one of them from OECD in Paris. SINTEF Unimed was running the National Patient Registry of Norway, and quality assurance of the data in the registry was part of my responsibility

**1998 - 2000-02**

### Head of the section, Specialized Health Care

*National Board of Health - Norway*

Supervised the quality of care in the hospital sector in Norway, including development of guidelines and establishment of health registries

**1989 - 1998**

### Physician Researcher

*University of Oslo and National Hospital, Norway*

- 1988-03 - **Junior Hospital Doctor**  
1988-09 *The Regional Hospital of Trondheim*
- 1985-01 - **Resident, Internal Medicine, Surgery and Family**  
1988-03 **Medicine**  
*Hammerfest Regional Hospital and Melhus county - Norway*



## Education

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- 1998-08 - **Stanford University**  
2000-08 • MSc in Health Services Research from Stanford University with an emphasis on health economy, organization and prioritization in health care as well as biostatistics.
- 1990 - **University of Oslo**  
1999 PhD (Dr. med) in infectious diseases and immunology
- 1979-08 - **University of Oslo**  
1985-12 MD



## Publications

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### International publications

1. Haug CJ. Whose Data Are They Anyway? Can a Patient Perspective Advance the Data-Sharing Debate? *N Engl J Med.* 2017;376(23):2203-5.
2. Haug CJ, Kieny MP, Murgue B. The Zika Challenge. *N Engl J Med.* 2016;374(19):1801-3.
3. Haug CJ. From Patient to Patient--Sharing the Data from Clinical Trials. *N Engl J Med.* 2016;374(25):2409-11.
4. Haug CJ. Peer-Review Fraud--Hacking the Scientific Publication Process. *N Engl J Med.* 2015;373(25):2393-5.
5. Haug CJ. Report from Paris. *N Engl J Med.* 2015;373(27):2589-93.
6. Haug CJ. Peer-Review Fraud - Hacking the Scientific Publication Process. *N Engl J Med.* 2015.
7. Rosenberg J, Bauchner H, Backus J, De Leeuw P, Drazen J, Frizelle F, et al. The New ICMJE Recommendations. *Indian J Med Microbiol.* 2014;32(3):219-20.
8. Haug C. [Practicing medicine is a combination of science and culture [editorial]]. *Laeknabladid.* 2014;100(2):71.
9. Haug C. The Downside of Open-Access Publishing. *New England Journal of Medicine.* 2013;368(9):791-3.
10. Haug C. Let's talk about HPV. *New Scientist.* 2011;211(2832):28-9.
11. Drazen JM, de Leeuw PW, Laine C, Mulrow C, DeAngelis CD, Frizelle FA, et al. Toward more uniform conflict disclosures--the updated ICMJE conflict of interest reporting form. *N Engl J Med.* 2010;363(2):188-9.
12. Haug C. The risks and benefits of HPV vaccination. *JAMA.* 2009;302(7):795-6.
13. Haug C. Efficacy Data and HPV Vaccination Studies Reply. *Jama-Journal of the American Medical Association.* 2009;302(24):2659-60.
14. Drazen JM, Van Der Weyden MB, Sahni P, Rosenberg J, Marusic A, Laine C, et al. Uniform Format for Disclosure of Competing Interests in ICMJE Journals. *New England Journal of Medicine.* 2009;361(19):1896-7.
15. Haug CJ. Human papillomavirus vaccination - Reasons for caution. *New England Journal of Medicine.* 2008;359(8):861-2.
16. Laine C, De Angelis C, Delamothe T, Drazen JM, Frizelle FA, Haug C, et al. Clinical trial registration: looking back and moving ahead. *Ann Intern Med.* 2007;147(4):275-7.
17. Haug C, Gotzsche PC, Schroeder TV. Clinical trials report card - Reply. *New England Journal of Medicine.* 2006;354(13):1429-.
18. Haug C, Gotzsche PC, Schroeder TV. Registries and registration of clinical trials. *N Engl J Med.* 2005;353(26):2811-2.
19. Haug C. The healthcare system is also a patient! *MedGenMed.* 2005;7(4):20.
20. De Angelis CD, Drazen JM, Frizelle FA, Haug C, Hoey J, Horton R, et al. Is this clinical trial fully registered? - A statement from the International Committee of Medical Journal Editors. *New England Journal of Medicine.* 2005;352(23):2436-8.

21. De Angelis C, Drazen JM, Frizelle FA, Haug C, Hoey J, Horton R, et al. Clinical trial registration: A statement from the International Committee of Medical Journal Editors. *New England Journal of Medicine*. 2004;351(12):1250-1.
22. Aukrust P, Haug CJ, Ueland T, Lien E, Muller F, Espevik T, et al. Decreased bone formative and enhanced resorptive markers in human immunodeficiency virus infection: indication of normalization of the bone-remodeling process during highly active antiretroviral therapy. *J Clin Endocrinol Metab*. 1999;84(1):145-50.
23. Muller F, Aukrust P, Lien E, Haug CJ, Froland SS. Enhanced interleukin-10 production in response to *Mycobacterium avium* products in mononuclear cells from patients with human immunodeficiency virus infection. *Journal of Infectious Diseases*. 1998;177(3):586-94.
24. Haug CJ, Muller F, Aukrust P, Froland SS. Different effect of 1,25-dihydroxyvitamin D3 on replication of *Mycobacterium avium* in monocyte-derived macrophages from human immunodeficiency virus-infected subjects and healthy controls. *Immunology Letters*. 1998;63(2):107-12.
25. Haug CJ, Gaustad P, Muller F. Radiometric quantification of *Mycobacterium avium* complex. *Eur J Clin Microbiol Infect Dis*. 1998;17(6):388-90.
26. Haug CJ, Aukrust P, Haug E, Morkrid L, Muller F, Froland SS. Severe deficiency of 1,25-dihydroxyvitamin D3 in human immunodeficiency virus infection: association with immunological hyperactivity and only minor changes in calcium homeostasis. *J Clin Endocrinol Metab*. 1998;83(11):3832-8.
27. Aukrust P, Haug CJ, Ueland T, Muller F, Espevik T, Bollerslev J, et al. Disturbed bone formation and resorption during HIV infection - Synchronization of the bone remodelling process during HAART. *Aids*. 1998;12:S65-S.
28. Aukrust P, Muller F, Nordoy I, Haug CJ, Froland SS. Modulation of lymphocyte and monocyte activity after intravenous immunoglobulin administration in vivo. *Clin Exp Immunol*. 1997;107(1):50-6.
29. Muller F, Aukrust P, Haug CJ, Froland SS. Interleukin (IL)-12 and anti-IL-10 stimulate lymphocyte proliferation to *Mycobacterium avium* antigens in patients with asymptomatic HIV infection, but not in AIDS patients. *Aids*. 1996;10:P64-P.
30. Haug CJ, Muller F, Rollag H, Aukrust P, Degre M, Froland SS. The effect of 1,25-vitamin D3 on maturation of monocytes from HIV-infected patients varies with degree of immunodeficiency. *APMIS*. 1996;104(7-8):539-48.
31. Haug CJ, Aukrust P, Muller F, Froland SS. Decreased serum levels of 1,25 dihydroxyvitamin D (1,25 D) in HIV infection may reflect endocrine dysfunction associated with increased TNF alpha activity. *Aids*. 1996;10:P85-P.
32. Haug CJ, Aukrust P, Lien E, Muller F, Espevik T, Froland SS. Disseminated *Mycobacterium avium* complex infection in AIDS: immunopathogenic significance of an activated tumor necrosis factor system and depressed serum levels of 1,25 dihydroxyvitamin D. *J Infect Dis*. 1996;173(1):259-62.
33. Aukrust P, Lien E, Kristoffersen AK, Muller F, Haug CJ, Espevik T, et al. Persistent activation of the tumor necrosis factor system in a subgroup of patients with common variable immunodeficiency-possible immunologic and clinical consequences. *Blood*. 1996;87(2):674-81.
34. Haug C, Muller F, Aukrust P, Froland SS. Subnormal serum concentration of 1,25-vitamin D in human immunodeficiency virus infection: correlation with degree of immune deficiency and survival. *J Infect Dis*. 1994;169(4):889-93.
35. Aukrust P, Froland SS, Liabakk NB, Muller F, Nordoy I, Haug C, et al. Release of Cytokines, Soluble Cytokine Receptors, and Interleukin-1 Receptor Antagonist after Intravenous Immunoglobulin Administration in-Vivo. *Blood*. 1994;84(7):2136-43.
36. Bukholm G, Berdal BP, Haug C, Degre M. Mouse fibroblast interferon modifies *Salmonella typhimurium* infection in infant mice. *Infect Immun*. 1984;45(1):62-6.

### **Editorials in Norwegian**

37. Haug C. Between the paper mills and the World Wide Web. *Tidsskr Nor Laegeforen*. 2015;135(1):7-8.
38. Haug C. Health city. *Tidsskr Nor Laegeforen*. 2014;134(1):5-6.
39. Haug C. The century of dilemmas. *Tidsskr Nor Laegeforen*. 2014;134(5):493.
40. Haug C. With a licence to doubt. *Tidsskr Nor Laegeforen*. 2014;134(7):687-8.
41. Haug C. Selling disease. *Tidsskr Nor Laegeforen*. 2014;134(10):1015-6.
42. Haug C. The mirror on the wall. *Tidsskr Nor Laegeforen*. 2014;134(16):1541-2.
43. Haug C. Ebola--when will we learn? *Tidsskr Nor Laegeforen*. 2014;134(19):1817.
44. Haug C. Leapfrogging. *Tidsskr Nor Laegeforen*. 2014;134(23-24):2231.
45. Haug C, Dalby E. [Medical art]. *Tidsskr Nor Laegeforen*. 2011;131(1):11.
46. Haug C. [We must do something with this!]. *Tidsskr Nor Laegeforen*. 2011;131(2):107.

47. Haug C. [Sense and sensibility]. Tidsskr Nor Laegeforen. 2011;131(5):439.
48. Haug C. [The price of distrust]. Tidsskr Nor Laegeforen. 2011;131(7):661.
49. Haug C. [What is a physician?]. Tidsskr Nor Laegeforen. 2011;131(9-10):927.
50. Haug C. [About review articles]. Tidsskr Nor Laegeforen. 2011;131(12):1179.
51. Haug C. Reflections. Tidsskr Nor Laegeforen. 2011;131(18):1739.
52. Haug C, Bjerkestrand S. [The dangerous silence]. Tidsskr Nor Laegeforen. 2010;130(16):1593.
53. Haug C. [No progress without conflict of opinion]. Tidsskr Nor Laegeforen. 2010;130(1):11.
54. Haug C. [Deprived of identity]. Tidsskr Nor Laegeforen. 2010;130(2):131.
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56. Haug C. [The right to oneself]. Tidsskr Nor Laegeforen. 2010;130(6):587.
57. Haug C. [How good physicians do we want?]. Tidsskr Nor Laegeforen. 2010;130(8):815.
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59. Haug C. [The new patients]. Tidsskr Nor Laegeforen. 2010;130(10):1011.
60. Haug C. [Health service is not as other services]. Tidsskr Nor Laegeforen. 2010;130(12):1223.
61. Haug C. [Just ask!]. Tidsskr Nor Laegeforen. 2010;130(15):1445.
62. Haug C. [The power of vague formulations]. Tidsskr Nor Laegeforen. 2010;130(17):1701.
63. Haug C. [Danger signals: undercurrents]. Tidsskr Nor Laegeforen. 2010;130(18):1805.
64. Haug C. [Public health house of cards]. Tidsskr Nor Laegeforen. 2010;130(23):2335.
65. Hem E, Haug C. [The Tidsskrift in English]. Tidsskr Nor Laegeforen. 2009;129(12):1207.
66. Haug C. [Faster, better, stronger]. Tidsskr Nor Laegeforen. 2009;129(1):11.
67. Haug C. [Danger for life and health]. Tidsskr Nor Laegeforen. 2009;129(2):95.
68. Haug C. [Acute treatment of specialist education]. Tidsskr Nor Laegeforen. 2009;129(4):279.
69. Haug C. [What is the problem?]. Tidsskr Nor Laegeforen. 2009;129(5):403.
70. Haug C. [The state gets the physicians it deserves]. Tidsskr Nor Laegeforen. 2009;129(6):515.
71. Haug C. [Healing hands]. Tidsskr Nor Laegeforen. 2009;129(7):615.
72. Haug C. [The mysterious gene]. Tidsskr Nor Laegeforen. 2009;129(9):849.
73. Haug C. [Panic pandemic?]. Tidsskr Nor Laegeforen. 2009;129(10):979.
74. Haug C. [Swine influenza will not disappear with medications]. Tidsskr Nor Laegeforen. 2009;129(15):1443.
75. Haug C. [Fear and expectations]. Tidsskr Nor Laegeforen. 2009;129(16):1619.
76. Haug C. [When the starting point is the craziest...]. Tidsskr Nor Laegeforen. 2009;129(17):1729.
77. Haug C. [Exit]. Tidsskr Nor Laegeforen. 2009;129(18):1843.
78. Haug C. [Darwin's method]. Tidsskr Nor Laegeforen. 2009;129(22):2339.
79. Haug C. ["...and discussions increase the fear"]. Tidsskr Nor Laegeforen. 2009;129(23):2469.
80. Haug C. [The patient Health-Norway]. Tidsskr Nor Laegeforen. 2008;128(1):13.
81. Haug C. [Continuity or collapse]. Tidsskr Nor Laegeforen. 2008;128(2):157.
82. Haug C. [Communication technology and competence development]. Tidsskr Nor Laegeforen. 2008;128(4):431.
83. Haug C. [Editorial choices and publication profile]. Tidsskr Nor Laegeforen. 2008;128(7):807.
84. Haug C. [Prioritization on the paper--and in practice]. Tidsskr Nor Laegeforen. 2008;128(8):917.
85. Haug C. [Ghostwriting]. Tidsskr Nor Laegeforen. 2008;128(9):1039.
86. Haug C. [Research ethics on the pensum list]. Tidsskr Nor Laegeforen. 2008;128(10):1161.
87. Haug C. [The National Theatre]. Tidsskr Nor Laegeforen. 2008;128(11):1269.
88. Haug C. [For the common good]. Tidsskr Nor Laegeforen. 2008;128(13):1505.
89. Haug C. [Private health care]. Tidsskr Nor Laegeforen. 2008;128(15):1653.
90. Haug C. [Do you see who I am?]. Tidsskr Nor Laegeforen. 2008;128(17):1935.
91. Haug C. [Chaos control and interface]. Tidsskr Nor Laegeforen. 2008;128(18):2047.
92. Haug C. [The words capture the thoughts]. Tidsskr Nor Laegeforen. 2008;128(19):2161.
93. Haug C. [When the foundation is turned down]. Tidsskr Nor Laegeforen. 2008;128(22):2551.
94. Haug C. [They hang high...]. Tidsskr Nor Laegeforen. 2008;128(23):2689.
95. Haug C. [Experiences, expectations and intentions]. Tidsskr Nor Laegeforen. 2007;127(1):13.
96. Haug C. [Back to the planning stage]. Tidsskr Nor Laegeforen. 2007;127(2):153.

97. Haug C. [What is a publication--and a double publication?]. Tidsskr Nor Laegeforen. 2007;127(3):285.
98. Haug C. [Painful infections--troublesome implications]. Tidsskr Nor Laegeforen. 2007;127(4):413.
99. Haug C. [Right to a reply]. Tidsskr Nor Laegeforen. 2007;127(6):717.
100. Haug C. [Right to a good death]. Tidsskr Nor Laegeforen. 2007;127(7):851.
101. Haug C. [Research procurement as a priority]. Tidsskr Nor Laegeforen. 2007;127(8):1019.
102. Haug C. [The profit roundabout]. Tidsskr Nor Laegeforen. 2007;127(9):1173.
103. Haug C. [Dream vaccine or still a dream?]. Tidsskr Nor Laegeforen. 2007;127(10):1331.
104. Haug C. [Research and fantasy]. Tidsskr Nor Laegeforen. 2007;127(11):1489.
105. Haug C. [The HPV vaccine--still no answers to important questions]. Tidsskr Nor Laegeforen. 2007;127(12):1625.
106. Haug C. [From uncertainty to anxiety]. Tidsskr Nor Laegeforen. 2007;127(13):1763.
107. Haug C. [Difference-Norway]. Tidsskr Nor Laegeforen. 2007;127(17):2215.
108. Haug C. [Who does own a journal article?]. Tidsskr Nor Laegeforen. 2007;127(18):2357.
109. Haug C. [The Arendal model: simple and efficient]. Tidsskr Nor Laegeforen. 2007;127(21):2797.
110. Haug C. [Patients, patents and profits]. Tidsskr Nor Laegeforen. 2007;127(22):2921.
111. Haug C. [CO<sub>2</sub> + H<sub>2</sub>O = true]. Tidsskr Nor Laegeforen. 2007;127(23):3053.
112. Haug C. [To find out or to think of--the little difference]. Tidsskr Nor Laegeforen. 2006;126(3):293.
113. Haug C. [Authorship and co-authorship]. Tidsskr Nor Laegeforen. 2006;126(4):429.
114. Haug C. [On the shoulders of giants]. Tidsskr Nor Laegeforen. 2006;126(5):583.
115. Haug C. [The freedom of expression and editorial responsibility]. Tidsskr Nor Laegeforen. 2006;126(6):735.
116. Haug C. [The wars we should not win]. Tidsskr Nor Laegeforen. 2006;126(7):893.
117. Haug C. [Optimism and realism in ethical borderland]. Tidsskr Nor Laegeforen. 2006;126(9):1193.
118. Haug C. [Fight for the profession]. Tidsskr Nor Laegeforen. 2006;126(11):1463.
119. Haug C. [Too good to be true]. Tidsskr Nor Laegeforen. 2006;126(15):1891.
120. Haug C. [New, true and interesting]. Tidsskr Nor Laegeforen. 2006;126(17):2237.
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123. Haug C. [You should not tolerate]. Tidsskr Nor Laegeforen. 2006;126(19):2503.
124. Haug C. [Overview and insight]. Tidsskr Nor Laegeforen. 2006;126(21):2783.
125. Haug C. [Taking the drug industry seriously]. Tidsskr Nor Laegeforen. 2006;126(23):3081.
126. Haug C. [Disappeared on the way]. Tidsskr Nor Laegeforen. 2005;125(1):13.
127. Haug C. [The price of mistrust]. Tidsskr Nor Laegeforen. 2005;125(3):273.
128. Haug C. [No shame to turn]. Tidsskr Nor Laegeforen. 2005;125(4):413.
129. Haug C. [Law-regulated inventiveness]. Tidsskr Nor Laegeforen. 2005;125(5):553.
130. Haug C. [Waves of attention--oceans of oblivion]. Tidsskr Nor Laegeforen. 2005;125(6):709.
131. Haug C. [State control of knowledge]. Tidsskr Nor Laegeforen. 2005;125(8):991.
132. Haug C. [Dangerous delusions]. Tidsskr Nor Laegeforen. 2005;125(9):1149.
133. Haug C. [Risk of medication errors]. Tidsskr Nor Laegeforen. 2005;125(10):1307.
134. Haug C. [Medical truths]. Tidsskr Nor Laegeforen. 2005;125(11):1469.
135. Haug C. [Writing yourself or copying--is it really new?]. Tidsskr Nor Laegeforen. 2005;125(15):1985.
136. Haug C. [Let us talk about something else]. Tidsskr Nor Laegeforen. 2005;125(17):2339.
137. Haug C. [Disastrous disaster preparedness]. Tidsskr Nor Laegeforen. 2005;125(18):2467.
138. Haug C. [Abuse of science]. Tidsskr Nor Laegeforen. 2005;125(19):2607.
139. Haug C. [Explosive distinctions]. Tidsskr Nor Laegeforen. 2005;125(22):3079.
140. Haug C. [Research without filter]. Tidsskr Nor Laegeforen. 2005;125(23):3243.
141. Haug C. [Two enterprising years]. Tidsskr Nor Laegeforen. 2004;124(1):13.
142. Haug C. [Who shall die?]. Tidsskr Nor Laegeforen. 2004;124(2):153.
143. Haug C. [Passive smoking--active debate]. Tidsskr Nor Laegeforen. 2004;124(3):307.
144. Haug C. [Leadership in health services--not a ladies' sport]. Tidsskr Nor Laegeforen. 2004;124(5):613.
145. Haug C. [Trust, boners and throw of the dice]. Tidsskr Nor Laegeforen. 2004;124(6):765.
146. Haug C. [Unnecessary overlapping and old news]. Tidsskr Nor Laegeforen. 2004;124(8):1073.



147. Haug C. [Re-defining academic medicine]. Tidsskr Nor Laegeforen. 2004;124(9):1225.
148. Haug C. [Free expressions and editorial liasons]. Tidsskr Nor Laegeforen. 2004;124(11):1505.
149. Haug C. [Doing less to achieve more]. Tidsskr Nor Laegeforen. 2004;124(10):1369.
150. Haug C. [Disease production as business idea]. Tidsskr Nor Laegeforen. 2004;124(19):2469.
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156. Haug C. [Renewed and recognizable]. Tidsskr Nor Laegeforen. 2003;123(1):13.
157. Haug C. [Free choice]. Tidsskr Nor Laegeforen. 2003;123(2):141.
158. Haug C. [Scientific practice]. Tidsskr Nor Laegeforen. 2003;123(3):301.
159. Haug C. [Information as a mode of action]. Tidsskr Nor Laegeforen. 2003;123(4):441.
160. Haug C. [A bitter pill]. Tidsskr Nor Laegeforen. 2003;123(5):601.
161. Haug C. [Dangerous food]. Tidsskr Nor Laegeforen. 2003;123(6):765.
162. Haug C. [Give credit where credit is done]. Tidsskr Nor Laegeforen. 2003;123(7):913.
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170. Haug C. [Not our problem?]. Tidsskr Nor Laegeforen. 2003;123(17):2409.
171. Haug C. [Virtual realities and real changes]. Tidsskr Nor Laegeforen. 2003;123(16):2237.
172. Haug C. [Life as a gift and a merchandise]. Tidsskr Nor Laegeforen. 2003;123(20):2845.
173. Haug C. [Ethical limitations and limitations of naivety]. Tidsskr Nor Laegeforen. 2003;123(19):2693.
174. Haug C. [Flight to private sector]. Tidsskr Nor Laegeforen. 2003;123(21):3003.
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