

**Curriculum Vitae: Andreas CERNY, 4.3.1956, di Stein (SG)**

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### **Educazione**

- Facoltà di Medicina, Università di Berna, Svizzera, 1975-1981, diploma federale 1981.
- “Postgraduate Course in Experimental Medicine and Biology” del Fondo Nazionale Svizzero, Facoltà di Medicina, Università di Zurigo, 1982-1983.
- VQE (Visa qualifying examination, USA) e ECFMG, 1983.
- Corso di management ed economia sanitaria (MEGS) dell’USI (Università della Svizzera Italiana) 1999-2002
- Corso di medicina farmaceutica del ECPM (European Center of Pharmaceutical Medicine) Basilea: 9/2001-6/2003. Diploma in Medicina Farmaceutica, Luglio 2003.

### **Formazione**

- 4/1982-3/1986: medico ricercatore, Istituto di Patologia Sperimentale, Facoltà di Medicina, Università di Zurigo (R.M. Zinkernagel, MD, premio Nobel 1996).
- 4/1986-3/1987: medico assistente, Medicina interna e Pneumologia, Bernische Höhenklinik Heiligenschwendi (U. Wildbolz, MD)
- 7/1987-6/1988: medico assistente, Medicina interna, Regionalspital Burgdorf (A. Gerber, MD).
- 5/1988-9/1988: medico ricercatore, Laboratory of Immunopathology, National Institutes of Allergy and Infectious Diseases, NIH, Bethesda, MD, USA, (H.C. Morse III, MD).
- 10/1988-2/1991: medico assistente, Medicina Interna (F.A. Waldvogel, MD) Malattie Infettive (D. Lew, MD) Ospedale Universitario di Ginevra (HUG). Ricerca nel laboratorio di Virologia (L. Perrin, MD) ed Immunopatologia (S. Izui, MD).
- 3/1991-6/1992: medico capo clinica, Medicina Interna, Zieglerspital Berna (K.A. Neftel, MD).

- 7/1992-6/1993: medico ricercatore, Dept. of Molecular and Experimental Medicine, The Scripps Research Institute, La Jolla, CA, USA (F.V. Chisari, MD).
- 6/1993-4/1995: medico capo clinica, Dipartimento di Medicina Interna, Inselspital, Università di Berna (Prof. P.W. Straub, MD), consulente in malattie infettive. Insegnamento in Medicina Interna e Malattie Infettive.
- 4/1995-2/1996: medico, Program in Infectious Diseases, Fred Hutchinson Cancer Center e University of Washington, Seattle, WA, USA (L. Corey MD, R. Bowden MD)
- 3/1996-6/1999: medico capo clinica, Dipartimento di Medicina Interna, Inselspital, Università di Berna (Prof. P.W. Straub, MD), consulente in malattie infettive. Insegnamento in Medicina Interna e Malattie Infettive. Direttore unità di ricerca clinica (Clinical Investigation Unit - CIU) del Dipartimento di Medicina Interna. Vice primario a partire del'1. Gennaio 1997. Medico capo clinica presso l'Istituto di Farmacologia Clinica Università di Berna (Prof. J. Reichen e B. Lauterburg)
- 7/1999-12/2006: primario di Medicina Interna, Ospedale Civico, Lugano, e dal 7/2002-12/06 primo direttore del Centro Regionale di Farmacovigilanza del Canton Ticino a Lugano.

#### **Titoli accademici e di specialità**

- Dottorato di medicina: "Suppression of B-cell development and antibody production in mice with polyclonal rabbit and monoclonal rat anti-IgM antibodies: I. Characterization of the suppressed state." Facoltà di Medicina, Università di Zurigo, Prof. R.M. Zinkernagel, (16.12.1985).
- FMH titolo di specialità Medicina Interna (13.6.1991).
- FMH titolo di specialità Medicina Malattie Infettive (23.12.1999).
- FMH titolo di specialità Medicina Farmaceutica (11.12.2004).
- Promozione docente universitario (PD): "Untersuchungen zur Pathogenese von AIDS im Mausmodell" Facoltà di Medicina, Università di Berna (2.3.1995).
- Nomina professore di Medicina Interna, Facoltà di Medicina, Università di Berna. (25.6.2002).

#### **Attività attuale**

- Dal 1/2007-oggi: medico accreditato di Medicina Interna, Clinica Luganese, sede Moncucco, Lugano.
- Responsabile per la formazione in Medicina Interna FMH (attualmente categoria C per 1 anno) presso la Clinica Luganese Moncucco.
- Dal 7/2013-oggi: direttore di Epatocentro Ticino SA e della Fondazione Epatocentro Ticino e direttore dell'unità di ricerca clinica (Clinical Trial Unit - CTU)

- Studio privato: con dottor S. Mossi, H. Schaufelberger, C. Quattropani, S. Vannini (Gastroenterologia FMH) Via Trevano 38, 6900 Lugano e Corso S. Gottardo 6, 6830 Chiasso.
- Membro di comitato del Human Medicines Expert Committee (HMEC) di Swissmedic dal 6/2004 ([www.swissmedic.ch](http://www.swissmedic.ch))
- Membro di comitato del National Vaccine Pharmacovigilance Committee di Swissmedic,
- Membro della “Commissione Cantonale Sperimentazione sugli Animali” del Canton Ticino
- Membro di comitato, Esperti Svizzeri delle Epatiti Virali (Swiss Experts in Viral Hepatitis (SEVHEP, [www.sevhep.ch](http://www.sevhep.ch)) (presidente dal 12/2008 al 10/2013)
- Membro di comitato dell’Associazione Svizzera sullo Studio del Fegato (Swiss Association for the Study of the Liver (SASL, [www.sasl.ch](http://www.sasl.ch))
- Membro di comitato dello Studio Coorte Epatite C Svizzero (Swiss Hepatitis C Cohort Study, [www.swisshcv.ch](http://www.swisshcv.ch))
- Membro di comitato dell’ Società Svizzera di Medicina Interna ([www.sgim.ch](http://www.sgim.ch))
- Membro di comitato di FORMVI (Fondazione per la Ricerca sulle malattie Virali)

### **Competenze ed interessi principali**

Attività di ricerca sperimentale di base e in ricerca clinica nell’ambito dell’immunologia, virologia e delle malattie infettive specialmente nel campo delle epatiti virali. L’esperienza copre modelli animali di malattie virali acute (vesicular stomatitis virus, VSV) e croniche (lymphocytic choriomeningitis virus (LCMV), mouse AIDS (MAIDS)), modelli di autoimmunità ed immunologia anti-virale umana in particolare nell’ambito dell’epatite B e C. Lavori pre-clinici in direzione dello sviluppo di un vaccino contro l’epatite C.

L’iter formativo clinico ricopre le specialità di **medicina interna, malattie infettive, epatologia, medicina dei trapianti, sicurezza di farmaci e vaccini e la farmacovigilanza.**

L’esperienza pluriennale in medicina farmaceutica é maturata conducendo un grande numero di studi clinici di fase II e III in diverse aree terapeutiche come direttore dell’unità di ricerca clinica a partire dal 1996 all’Inselspital e dal 1999 in Ticino.

Insegnamento accademico per studenti di medicina e medici in formazione in tutti campi della medicina interna, in particolare nella farmacoterapia seguendo i principi della medicina basata sull’evidenza (evidence based medicine (EBM). Direzione di dottorati di biologia (PhD) e 5 per medicina (MD) Facoltà di Medicina Università di Berna.

A) Pubblicazioni originali (peer-review dal 2008)

65. Yerly D, Heckerman D, Allen TM, Chisholm JV 3rd, Faircloth K, Linde CH, Frahm N, Timm J, Pichler WJ, Cerny A, Brander C. Increased CTL epitope variant cross-recognition and functional avidity are associated with HCV clearance. *J Virol.* 2008 Jan 9;
66. Helbling B, Overbeck K, Gonvers JJ, Malinverni R, Dufour JF, Borovicka J, Heim M, Cerny A, Negro F, Bucher S, Rickenbach M, Renner EL, Mullhaupt B; Swiss Hepatitis C Cohort Study. Host- rather than virus-related factors reduce health-related quality of life in hepatitis C virus infection. *Gut.* 2008 Nov;57(11):1597-603
67. Kuntzen T, Timm J, Berical A, Lennon N, Berlin AM, Young SK, Lee B, Heckerman D, Carlson J, Reyor LL, Kleyman M, McMahon CM, Birch C, Schulze zur Wiesch J, Ledlie T, Koehrsen M, Kodira K, Roberts AD, Lauer GM, Rosen HR, Bihl F, Cerny A, Spengler U, Liu Z, Kim AY, Xing Y, Schneidewind A, Madey MA, Fleckenstein MF, Park VM, Galagan JE, Nusbaum C, Walker BD, Lake-Bakaar GV, Daar ES, Jacobson IM, Gomperts ED, Edlin BR, Donfield SM, Chung RT, Talal AH, Marion T, Birren BW, Henn MR, Allen TM. Naturally Occurring Dominant Resistance Mutations to Hepatitis C Virus Protease and Polymerase Inhibitors in Treatment-Naive Patients. *Hepatology* 2008, 48:1769-1778.
68. Ciuffreda D, Comte D, Cavassini M, Giostra E, Bühler L, Perruchoud M, Heim MH, Battegay M, Genné D, Mulhaupt B, Malinverni R, Oneta C, Bernasconi E, Monnat M, Cerny A, Chuard C, Borovicka J, Mentha G, Pascual M, Gonvers JJ, Pantaleo G, Dutoit V. Polyfunctional HCV-specific T-cell responses are associated with effective control of HCV replication. *Eur J Immunol.* 2008 Oct;38(10):2665-77
69. Prasad L, Spicher VM, Negro F, Rickenbach M, Zwahlen M; Swiss Hepatitis C Cohort Study Group. Little evidence that hepatitis C virus leads to a higher risk of mortality in the absence of cirrhosis and excess alcohol intake: the Swiss Hepatitis C Cohort Study. *J Viral Hepat.* 2009 Sep;16(9):644-9.
70. C. Bochud PY, Cai T, Overbeck K, Bochud M, Rickenbach M, Dufour JF, Muellhaupt B, Borovicka J, Heim M, Moradpour D, Cerny A, Malinverni R, Francioli P and Negro F, on behalf of the Swiss Hepatitis C Cohort Study Group\* Genotype 3 is Associated with Accelerated Fibrosis Progression in Chronic Hepatitis *J Hepatol* 2009 Oct;51(4):655-66
71. Sgier C, Müllhaupt B, Gerlach T, Moradpour D, Negro F, Malé PJ, Heim MH, Malinverni R, Cerny A, Dufour JF. Effect of antiviral therapy on circulating cytokeratin-18 fragments in patients with chronic hepatitis C. *J Viral Hepat.* 2010 Jan 13. [Epub ahead of print]
72. Rauch A, Kutalik Z, Descombes P, Cai T, di Iulio J, Mueller T, Bochud M, Battegay M, Bernasconi E, Borovicka J, Colombo S, Cerny A, Dufour JF, Furrer H, Günthard HF, Heim M, Hirschel B, Malinverni R, Moradpour D, Müllhaupt B, Witteck A, Beckmann JS, Berg T, Bergmann S, Negro F, Telenti A, Bochud PY; Swiss Hepatitis C and HIV Cohort Studies. Genetic variation in IL28B Is Associated with Chronic Hepatitis C and Treatment Failure - A Genome-Wide Association Study. *Gastroenterology.* 2010 Jan 7. [Epub ahead of print]
73. Overbeck K, Dufour JF, Müllhaupt B, Helbling B, Borovicka J, Malinverni R, Heim M, Moradpur D, Cerny A, Rickenbach M, Negro F. Impact of international consensus

guidelines on antiviral therapy of chronic hepatitis C patients in Switzerland. *Swiss Med Wkly*. 2010 Feb 3.

74. Schwendener RA, Ludewig B, Cerny A, Engler O. Liposome-based vaccines. *Methods Mol Biol*. 2010;605:163-75.
75. Bihl F, Russmann S, Gurtner V, Di Giammarino L, Pizzi-Bosman L, Michel M, Cerny A, Hadengue A, Majno P, Giostra E, Castelli D, Mentha G. Hyperimmune anti-HBs plasma as alternative to commercial immunoglobulins for prevention of HBV recurrence after liver transplantation. *BMC Gastroenterol*. 2010 Jul 4;10:71
76. Gonvers JJ, Heim MH, Cavassini M, Müllhaupt B, Genné D, Bernasconi E, Borovicka J, Cerny A, Chave JP, Chuard C, Dufour F, Dutoit V, Malinverni R, Monnat M, Negro F, Troilliet N, Oneta C. Treatment of hepatitis C in HCV mono-infected and in HIV-HCV co-infected patients: an open-labelled comparison study. *Swiss Med Wkly*. 2010 Jul 19;140:w13055
77. Buti M, Lurie Y, Zakharova NG, Blokhina NP, Horban A, Teuber G, Sarrazin C, Balciuniene L, Feinman SV, Faruqi R, Pedicone LD, Esteban R; SUCCESS Study Investigators. Randomized trial of peginterferon alfa-2b and ribavirin for 48 or 72 weeks in patients with hepatitis C virus genotype 1 and slow virologic response. *Hepatology*. 2010 Oct;52(4):1201-7.
78. Adami M, Marsteller I, Mazzucchelli L, Cerny A, Bernasconi E, Bertoli R. Granulomatous hepatitis after intravesical bacillus Calmette-Guérin treatment. *Scand J Infect Dis*. 2011 Jan;43(1):55-7.
79. Cai T, Dufour JF, Muellhaupt B, Gerlach T, Heim M, Moradpour D, Cerny A, Malinverni R, Kaddai V, Bochud M, Negro F, Bochud PY; On Behalf Of The Swiss Hepatitis C Cohort Study Group. Viral Genotype-Specific Role of PNPLA3, PPARG, MTTP and IL28B in Hepatitis C Virus-Associated Steatosis. *J Hepatol*. 2011 Sep;55(3):529-35
80. Lange CM, Kutalik Z, Morikawa K, Bibert S, Cerny A, Dollenmaier G, Dufour JF, Gerlach TJ, Heim MH, Malinverni R, Müllhaupt B, Negro F, Moradpour D, Bochud PY; Serum ferritin levels are associated with a distinct phenotype of chronic hepatitis C poorly responding to pegylated interferon- $\alpha$  and ribavirin therapy. The Swiss Hepatitis C Cohort Study Group. *Hepatology*. 2012 Apr;55(4):1038-47
81. Nicolosi Guidicelli S, Lopez-Guillermo A, Falcone U, Conconi A, Christinat A, Rodriguez-Abreu D, Grisanti S, Lobetti-Bodoni C, Piffaretti JC, Johnson PW, Mombelli G, Cerny A, Montserrat E, Cavalli F, Zucca E. Hepatitis C virus and GBV-C virus prevalence among patients with B-cell lymphoma in different European regions: a case-control study of the International Extranodal Lymphoma Study Group. *Hematol Oncol*. 2012 Sep;30(3):137-42.
82. Bochud PY, Bibert S, Kutalik Z, Patin E, Guergnon J, Nalpas B, Goossens N, Kuske L, Müllhaupt B, Gerlach T, Heim MH, Moradpour D, Cerny A, Malinverni R, Regenass S, Dollenmaier G, Hirsch H, Martinetti G, Gorgiewski M, Bourlière M, Poynard T, Theodorou I, Abel L, Pol S, Dufour JF, Negro F; on behalf of the Swiss Hepatitis C Cohort Study Group the ANRS HC EP 26 Genoscan Study Group. IL28B alleles associated with poor hepatitis C virus (HCV) clearance protect against inflammation and fibrosis in patients infected with non-1 HCV genotypes. *Hepatology*. 2012 Feb;55(2):384-94

83. Wölk B, Trautwein C, Büchele B, Kersting N, Blum HE, Rammensee HG, Cerny A, Stevanovic S, Moradpour D, Brass V. Identification of naturally processed hepatitis C virus-derived major histocompatibility complex class I ligands. *PLoS One*. 2012;7(1)
84. Larrey D, Lohse AW, de Ledinghen V, Trepo C, Gerlach T, Zarski JP, Tran A, Mathurin P, Thimme R, Arastéh K, Trautwein C, Cerny A, Dikopoulos N, Schuchmann M, Heim MH, Gerken G, Stern JO, Wu K, Abdallah N, Girlich B, Scherer J, Berger F, Marquis M, Kukolj G, Boecher W, Steffgen J Rapid and strong antiviral activity of the non-nucleosidic NS5B polymerase inhibitor BI 207127 in combination with peginterferon alfa 2a and ribavirin. *J Hepatol*. 2012 Mar 10. [Epub ahead of print]
85. Patin E, Kutalik Z, Guergnon J, Bibert S, Nalpas B, Jouanguy E, Munteanu M, Bousquet L, Argiro L, Halfon P, Boland A, Müllhaupt B, Semela D, Dufour JF, Heim MH, Moradpour D, Cerny A, Malinverni R, Hirsch H, Martinetti G, Suppiah V, Stewart G, Booth DR, George J, Casanova JL, Bréchet C, Rice CM, Talal AH, Jacobson IM, Bourlière M, Theodorou I, Poynard T, Negro F, Pol S, Bochud PY, Abel L; Swiss Hepatitis C Cohort Study Group; International Hepatitis C Genetics Consortium; French ANRS HC EP 26 Genoscan Study Group. Genome-wide association study identifies variants associated with progression of liver fibrosis from HCV infection. *Gastroenterology*. 2012 Nov;143(5):1244-52
86. Baur K, Mertens JC, Schmitt J, Iwata R, Stieger B, Frei P, Seifert B, Bischoff Ferrari HA, von Eckardstein A, Müllhaupt B, Geier A; Swiss Hepatitis C Cohort Study Group. The vitamin D receptor gene bAt (CCA) haplotype impairs the response to pegylated-interferon/ribavirin-based therapy in chronic hepatitis C patients. *Antivir Ther*. 2012;17(3):541-7.
87. Lange CM, Bibert S, Kutalik Z, Burgisser P, Cerny A, Dufour JF, Geier A, Gerlach TJ, Heim MH, Malinverni R, Negro F, Regenass S, Badenhop K, Bojunga J, Sarrazin C, Zeuzem S, Müller T, Berg T, Bochud PY, Moradpour D, Swiss Hepatitis C Cohort Study Group. A genetic validation study reveals a role of vitamin D metabolism in the response to interferon-alfa-based therapy of chronic hepatitis C. *PLoS One*. 2012;7(7)
88. Kuske L, Mensen A, Müllhaupt B, Negro F, Semela D, Moradpour D, Malé PJ, Heim MH, Malinverni R, Cerny A, Dufour JF; Swiss Hepatitis C Cohort Study. Characteristics of patients with chronic hepatitis C who develop hepatocellular carcinoma. *Swiss Med Wkly*. 2012 Aug 6;142
89. Lange CM, Bibert S, Kutalik Z, Burgisser P, Cerny A, Dufour JF, Geier A, Gerlach TJ, Heim MH, Malinverni R, Negro F, Regenass S, Badenhop K, Bojunga J, Sarrazin C, Zeuzem S, Müller T, Berg T, Bochud PY, Moradpour D; Swiss Hepatitis C Cohort Study Group. A genetic validation study reveals a role of vitamin D metabolism in the response to interferon-alfa-based therapy of chronic hepatitis C. *PLoS One*. 2012;7(7)
90. Girardin F, Daali Y, Gex-Fabry M, Rebsamen M, Roux-Lombard P, Cerny A, Bihl F, Binek J, Moradpour D, Negro F, Desmeules J; Swiss Hepatitis C Cohort Study Group. Liver kidney microsomal type 1 antibodies reduce the CYP2D6 activity in patients with chronic hepatitis C virus infection. *J Viral Hepat*. 2012 Aug;19(8):568-73.
91. Morrow DA, Braunwald E, Bonaca MP, Ameriso SF, Dalby AJ, Fish MP, Fox KA, Lipka LJ, Liu X, Nicolau JC, Ophuis AJ, Paolasso E, Scirica BM, Spinar J, Theroux P, Wiviott SD, Strony J, Murphy SA ; TRA 2P–TIMI 50 Steering Committee and Investigators. Vorapaxar in the secondary prevention of atherothrombotic events. *N Engl J Med*. 2012 Apr 12;366(15):1404-13.
92. Larrey D, Lohse AW, de Ledinghen V, Trepo C, Gerlach T, Zarski JP, Tran A, Mathurin P, Thimme R, Arastéh K, Trautwein C, Cerny A, Dikopoulos N, Schuchmann M, Heim MH, Gerken G, Stern JO, Wu K, Abdallah N, Girlich B, Scherer J, Berger F, Marquis M,

Kukolj G, Böcher W, Steffgen J. Rapid and strong antiviral activity of the non-nucleosidic NS5B polymerase inhibitor BI 207127 in combination with peginterferon alfa 2a and ribavirin. *J Hepatol.* 57(1):39-46; 2012

93. Lange CM, Bibert S, Dufour JF, Cellerai C, Cerny A, Heim MH, Kaiser L, Malinverni R, Müllhaupt B, Negro F, Semela D, Moradpour D, Kutalik Z, Bochud PY; Swiss Hepatitis C Cohort Study Group. Comparative genetic analyses point to HCP5 as susceptibility locus for HCV-associated hepatocellular carcinoma. *J Hepatol.* S0168-8278(13); 2013
94. Bibert S, Roger T, Calandra T, Bochud M, Cerny A, Semmo N, Duong FH, Gerlach T, Malinverni R, Moradpour D, Negro F, Müllhaupt B, Bochud PY; Swiss Hepatitis C Cohort Study. IL28B expression depends on a novel TT/-G polymorphism which improves HCV clearance prediction. *J Exp Med.* 3;210(6):1109-16; 2013
95. Lange CM, Miki D, Ochi H, Nischalke HD, Bojunga J, Bibert S, Morikawa K, Gouttenoire J, Cerny A, Dufour JF, Gorgievski-Hrisoho M, Heim MH, Malinverni R, Müllhaupt B, Negro F, Semela D, Kutalik Z, Müller T, Spengler U, Berg T, Chayama K, Moradpour D, Bochud PY; Hiroshima Liver Study Group; Swiss Hepatitis C Cohort Study Group. Genetic Analyses Reveal a Role for Vitamin D Insufficiency in HCV-Associated Hepatocellular Carcinoma Development. *PLoS One.* 29;8(5) 2013
96. Fretz R, Negro F, Bruggmann P, Lavanchy D, De Gottardi A, Pache I, Masserey Spicher V, Cerny A. Hepatitis B and C in Switzerland - healthcare provider initiated testing for chronic hepatitis B and C infection. *Swiss Med Wkly.* 17;143: 2013
97. Frei P, Leucht AK, Held U, Kofmehl R, Manser CN, Schmitt J, Mertens J, Rau M, Baur K, Gerlach T, Negro F, Heim M, Moradpour D, Cerny A, Dufour JF, Müllhaupt B, Geier A; on behalf of the Swiss Hepatitis C Cohort Study Group. Elderly age is not a negative predictive factor for virological response to therapy with pegylated interferon alfa and ribavirin in chronic hepatitis C virus patients. *Liver Int.* 2013 Apr;34(4):551-7.
98. S, Marini G, Majno P, Mazzucchelli L, Spitale A. Survival of hepatocellular carcinoma patients is significantly improving: a population-based study from southern Switzerland. Bordoni A, Cerny A, Bihl F, Alerci M, Mazzola P, Peverelli. *Cancer Epidemiol.* 2014 Dec;38(6):679-85.
99. C. Rüeger S, Bochud PY, Dufour JF, Müllhaupt B, Semela D, Heim MH, Moradpour D, Cerny A, Malinverni R, Booth DR, Suppiah V, George J, Argiro L, Halfon P, Bourlière M, Talal AH, Jacobson IM, Patin E, Nalpas B, Poynard T, Pol S, Abel L, Kutalik Z, Negro F. Impact of common risk factors of fibrosis progression in chronic hepatitis *Gut.* 2014 Sep 11. pii: gutjnl-2014-306997.
100. Morard I, Clément S, Calmy A, Mangia A, Cerny A, De Gottardi A, Gorgievski M, Heim M, Malinverni R, Moradpour D, Müllhaupt B, Semela D, Pascarella S, Bochud PY, Negro F; Clinical significance of the CCR5 delta 32 allele in hepatitis C. Swiss Hepatitis C Cohort Study Group. *PLoS One.* 2014 Sep 5;9(9):e106424.

#### B) Review dal 2008 (peer review)

23. Cerny A. Hepatitis C after simultaneous liver-kidney transplantation. *J Hepatol.* Nov;51(5):839-41, 2009
24. Schwendener RA, Ludewig B, Cerny A, Engler O: Liposome-based vaccines. *Methods Mol Biol* 605:163-75, 2010

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26. Management of hepatitis C virus (HCV) infection in drug substitution programs. Witteck A, Schmid P, Hensel-Koch K, Thurnheer MC, Bruggmann P, Vernazza P; Swiss Hepatitis C and HIV Cohort Studies. *Swiss Med Wkly.* 2011 May 27;141
27. Treatment of chronic hepatitis C genotype 1 with triple therapy comprising telaprevir or boceprevir. Swiss Association for the Study of the Liver. *Swiss Med Wkly.* 2012 Feb 24;142:w13516
28. [New aspects in sonography of the liver]. Hagara D, Schwarzenbach HR, Cerny A. *Praxis (Bern 1994).* 2012 Sep 5;101(18):1161-6