



## Corvinus Health Policy and Health Economics Conference Series 2016/2

Organiser:

Department of Health Economics, Corvinus University of Budapest

Co-organisers:

Health Economics Study Circle, Corvinus University of Budapest

Health and Health Care Economics Section of the Hungarian  
Economic Association

**12<sup>th</sup> April, 2016**

**The miracles of pricing and  
reimbursement in health care**

**Prof. Marc Koopmanschap, Erasmus  
University of Rotterdam**

# INVITATION



**Corvinus Health Policy and Health Economics Conference Series 2016/2**

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Department of Health Economics, Corvinus University of Budapest

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## **The miracles of pricing and reimbursement in health care**

**Corvinus University of Budapest**

**12 April, 2016**

**Room C VII, 15:30-17:20**

Budapest 1093, Közraktár u. 4.<sup>1</sup>

**Conference chairpersons: Prof. László Gulácsi**, Corvinus University of Budapest, Department of Health Economics

### **Programme**

<b>15:30 – 15:40</b>	<b>Opening</b>
<b>15:40 – 16:40</b>	<b>The miracles of pricing and reimbursement in health care.</b> <b>Prof. Marc Koopmanschap</b> , Erasmus University of Rotterdam
<b>16:40 – 17:00</b>	<b>‘Cost Books’ - short international overview.</b> <b>The Hungarian Unit Costs Programme</b> <b>Prof. László Gulácsi</b> , Corvinus University of Budapest, Department of Health Economics
<b>17:00 – 17:15</b>	<b>Discussion</b>
<b>17:15 - 17:20</b>	<b>Closing and miracles; take home message</b> <b>Prof. Márta Péntek</b> , Corvinus University of Budapest, Department of Health Economics, President of the Health and Health Care Economics Section of the Hungarian Economic Association

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<sup>1</sup> Map: [link](#)

## The Hungarian Unit Costs Programme

The „Hungarian Unit Cost Programme is a research programme of the Department of Health Economics, Corvinus University of Budapest. Project leader: Prof. László Gulácsi

There is no valid source of annually updated unit costs in the health care, and this is one of the recognized critical weakness of the health economics analysis in Hungary. Standardised process of collecting, generating and publishing unit costs are already established in many countries. We decided to establish a “Hungarian Unit Costs Library”. Such a standardized Unit Cost Library provides an input for health care and financial decision making in general, improve methodological transparency, and allow for a better comparison between economic evaluations and cost studies nationally and internationally. In the first phase of the project all relevant sources of unit costs are identified and analysed. In the second step a publicly available, yearly updated Unit Costs Library is provided.

### Relevant recent publications, Department of Health Economics, Corvinus University

- Fanni Rencz, Ágnes Kovács, Valentin Brodszky, László Gulácsi, Zalán Németh, Gábor János Nagy, János Nagy, István Buzogány, Géza Böszörményi-Nagy, Attila Majoros, Péter Nyirády. Cost of illness of medically treated benign prostatic hyperplasia in Hungary. *Int Urol Nephrol*; accepted for publication, doi 10.1007/s11255-015-1028-7. IF (2014): 1,519.
- Tamás G, Gulácsi L, Bereczki D, Baji P, Takáts A, Brodszky V, Péntek M, Quality of Life and Costs in Parkinson's Disease: A Cross Sectional Study in Hungary. *PLoS ONE* 2014 Sep 17;9(9):e107704. IF (2013): 3,534
- Mandel MD, Bálint A, Lovász BD, Gulácsi L, Strbák B, Golovics PA, Farkas K, Kürti Z, Szilágyi BK, Mohás A, Molnár T, Lakatos PL. Work disability and productivity loss in patients with inflammatory bowel diseases in Hungary in the era of biologics. *Eur J Health Econ.* 2014, 15 Suppl 1:S121-8. doi: 10.1007/s10198-014-0603-7. Epub 2014 May 16. Erratum in: *Eur J Health Econ.* 2014 May;15 Suppl 1:S129. Michael, Mandel D [corrected to Mandel, Michael D]. IF (2013): 1,913
- Balogh O, Brodszky V, Gulácsi L, Herédi M, Herszényi K, Jókai H, Kárpáti , Baji P, Remenyik E, Szegedi A, Holló P. Cost-of-illness in patients with moderate to severe psoriasis: a cross-sectional survey in Hungarian dermatological centres, *Eur J Health Econ*, 2014;15 Suppl 1:S101-9. IF (2013): 1,913
- Péntek M, Gulácsi L, Csilla R, Simó M, Iljicsov A, Gulácsi LÁ, Komoly S, Brodszky V. Health status and costs of ambulatory patients with multiple sclerosis in Hungary, *Ideggyógyászati Szemle - Clinical Neuroscience* , 2012, 65 (9-10):316-324. IF (2011): 0.488
- Péntek, M., Kobelt, G., Czirják, L., Szekanecz, Z., Poor, G., Rojkovich, B., Polgar, A., Genti, G., Kiss, C. G., Brodszky, V., Majer, I., Gulácsi, L.: Costs of rheumatoid arthritis in Hungary. *J Rheumatol.* 2007, 34, 1437. IF: 3,151
- Brodszky, V., Bálint, P., Géher, P., Hodinka, L., Horváth, G., Koó, E., Péntek, M., Polgár, A., Sesztak, M., Szántó, S., Ujfalussy, I., Gulácsi, L.: Disease burden of psoriatic arthritis compared to rheumatoid arthritis, Hungarian experiment. *Rheumatol Int.* 2009, 30, 199-205. IF: 1,493
- Minier, T., Péntek, M., Brodszky, V., Ecseki, A., Karpáti, K., Polgar, A., Czirják, L., Gulácsi, L.: Cost-of-illness of patients with systemic sclerosis in a tertiary care centre. *Rheumatology (Oxford)*. 2010, 49, 1920-8 IF: 4,171
- Péntek M, Harangozó J, Égerházi A, Kelemen O, Gulácsi L, Baji P, Mátyássy A, Erdélyi R, Lehoczky Sz, Orlewska E, Vártokné Hever N, Ferencz Á, Brodszky V, A szkizofréniával élő betegek egészséggel összefüggő életminősége és betegség-terhe Magyarországon, *Psychiatria Hungarica*, 2012; 27:1:4-17.
- Brodszky V, Péntek M, Jelics N, Érsek K, Winkler G, Jermendy Gy, Gulácsi L: Inzulinnal kezelt felnőttkori cukorbetegség egészségügyi költségterhe. Felmérés háziorvosi praxisokban, illetve szakellátóhelyeken gondozott 480 beteg keresztmetszeti vizsgálata alapján. *Diabetologia Hungarica*, 2010, 18(1), 37-44.
- Ersek K, Kovacs T, Wimo A, Brodszky V, Pentek M, Jonsson L, Gustavsson A, McDaid, D, Kenigsberg PA, Valtonen H, Gulacsi L, Costs of dementia in Hungary. *J Nutr Health Aging.* 2010, 14, 633-9.
- Gulácsi L, Frans Rutten, Marc A. Koopmanschap 8. fejezet Költségszámítás, in: Gulácsi László (szerk) *Egészség-gazdaságtan*, Medicina Könyvkiadó RT, Budapest, 2006.
- Gulácsi L. (szerk) *Egészség-gazdaságtan és technológiaelemzés*, 5. fejezet Gulácsi L, Boncz I, Baji P, Péntek M, *Költségszámítás*, Medicina Könyvkiadó Nyrt. Budapest, 2012.
- Gulácsi L, Májer I, Boncz I, Brodszky V, Merkely B, Maurovich-Horvát P, Kárpáti K, Az akut myocardialis infarctus betegségterhe Magyarországon. 2003-2005, *Orvosi Hetilap*, 2007, 148, 27, 1259-1266.
- Kárpáti K, Májer I, Boncz I, Nagy A, Bereczki D, Gulácsi L. A stroke kórházi ellátásának egészségbiztosítási költségei Magyarországon; 2003-2005. *Ideggyógyászati Szemle*, 2007, 60, 7-8, 311-321.

## Prof. Marc Koopmanschap

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Marc Koopmanschap (1961) is associate professor of Health Economics at the Institute of Health Policy and Management and Institute for Medical Technology Assessment (PhD thesis in 1994). His main research fields are the following:



the relationship between results of economic evaluation studies and health policy, in particular drug reimbursement and pricing policy (Top Institute Pharma Escher project); use of HTA-studies and other considerations in international drug reimbursement policy, research on criteria (including uncertainty) on drug reimbursement in Europe. Costs and benefits of examples of extra safety regulation of several drugs (QT studies and PSURs).

He analysed the relationship between health, ageing, medical consumption and informal care in the Netspar study "living longer in good health" (2008-2012).

He is intensively involved in stated preference analysis (Conjoint Analysis, Discrete Choice Experiments) for several target groups, such as informal caregivers and care receivers as well as policy makers in health care who are involved in drug reimbursement and market authorization of new innovative medicines. He improved the methodology of economic evaluation of health care, regarding the measurement and valuation of productivity costs in economic evaluation of health care (friction cost method, development of PRODISQ and PCQ questionnaire) and the measurement and valuation of informal care.

He performed many economic evaluation studies of health care programs (or guidelines) related to cancer (screening and therapy, breast and cervical cancer), stroke (guidelines/services), diabetes, eye care, locomotor disease such as low back pain, knee/hip-arthritis and integrated care for fragile elderly.

Marc Koopmanschap is member of the ZONMW committee on rational use of pharmaceuticals.

He also coordinates and teaches in the BMG bachelor and HEPL master program.

Marc Koopmanschap published 170 scientific papers, his H-index:= 37.

An overview of methods and applications to value informal care in economic evaluations of healthcare. Koopmanschap MA, van Exel JN, van den Berg B, Brouwer WB. *Pharmacoeconomics*. 2008;26(4):269-80.

Process utility from providing informal care: the benefit of caring. Brouwer WB, van Exel NJ, van den Berg B, van den Bos GA, Koopmanschap MA. *Health Policy*. 2005 Sep 28;74(1):85-99.

A Triple Aim Framework For The Performance Assessment Of Disease Management Programs, Verbeek N, Franken M, Tsiachristas A, Koopmanschap MA, Rutten-van Mólken MP. *Value Health*. 2015 Nov;18(7):A400. doi: 10.1016/j.jval.2015.09.920. Epub 2015 Oct 20.

The iMTA Productivity Cost Questionnaire: A Standardized Instrument for Measuring and Valuing Health-Related Productivity Losses. Bouwmans C, Krol M, Severens H, Koopmanschap M, Brouwer W, Hakkaart-van Roijen L. *Eur J Health Econ*. 2015 May 29. [Epub ahead of print]

Valuing productivity costs in a changing macroeconomic environment: the estimation of colorectal cancer productivity costs using the friction cost approach., Hanly P, Koopmanschap M, Sharp L. *Value Health*. 2015 Sep;18(6):753-8. doi: 10.1016/j.jval.2015.05.009. Epub 2015 Aug 20.

Governance of conditional reimbursement practices in The Netherlands. Boon W, Martins L, Koopmanschap M. *Health Policy*. 2015 Feb;119(2):180-5. doi: 10.1016/j.healthpol.2014.10.013. Epub 2014 Nov 1.

A comparative study of the role of disease severity in drug reimbursement decision making in four European countries. Franken M, Stolk E, Scharringhausen T, de Boer A, Koopmanschap M. *Health Policy*. 2015 Feb;119(2):195-202. doi: 10.1016/j.healthpol.2014.10.007. Epub 2014 Oct 22.

Formal and informal care costs of hospitalized older people at risk of poor functioning: A prospective cohort study. Asmus-Szepesi KJ, Koopmanschap MA, Flinterman LE, Bakker TJ, Mackenbach JP, Steyerberg EW. *Arch Gerontol Geriatr*. 2014 Sep-Oct;59(2):382-92. doi: 10.1016/j.archger.2014.04.014. Epub 2014 May 5.

## **Márta Péntek M.D., Ph.D., habil**

### **CONTACT**

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Department of Health Economics  
Fővám tér 8, 1093 Budapest, Hungary  
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### **QUALIFICATIONS**

Medical Doctor, Semmelweis University Medical School, 1989  
Rheumatology and Physiatry, specialisation - Semmelweis University, 1997  
Ph.D. - Semmelweis University 2008, thesis: „Health status and disease burden of rheumatoid arthritis patients in Hungary” (Supervisor: Prof. László Gulácsi)  
Habilitation – University of Pécs, 2013

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### **WORKPLACE**

1989 – to present: senior consultant rheumatologist, Flór Ferenc County Hospital, Department of Rheumatology (part-time since 2008); Address: Semmelweis tér 1, Kistracsca, H-2143 Hungary  
and  
2009 – to present: associate professor, Corvinus University of Budapest, Department of Health Economics; Address: Fővám tér 8, Budapest, H-1093 Hungary

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### **LANGUAGE**

English, Portuguese, Hungarian

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### **PUBLICATIONS**

Scientific papers: 77 (IF: 68.7)  
Independent citations: 266  
Hirsch index: 13

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### **LIST OF PUBLICATIONS**

[https://vm.mtmt.hu/search/slist.php?inited=1&co\\_on=&ty\\_on=1&la\\_on=&LanguageID=&abs\\_on=&sp\\_on=&st\\_on=&url\\_on=1&cite\\_type=2&orderby=3D1a&Scientific=1&Independent=&top10=&lang=1&location=mtmt&debug=&stn=1&AuthorID=10002852&DocumentID=&tipus=&besorolas=&jelleg=](https://vm.mtmt.hu/search/slist.php?inited=1&co_on=&ty_on=1&la_on=&LanguageID=&abs_on=&sp_on=&st_on=&url_on=1&cite_type=2&orderby=3D1a&Scientific=1&Independent=&top10=&lang=1&location=mtmt&debug=&stn=1&AuthorID=10002852&DocumentID=&tipus=&besorolas=&jelleg=)

## **Prof. László Gulácsi MD, MSc (econ) Ph.D. Ph.D., Ph.D. Ph.D., habil.**

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László Gulácsi works as a Professor and Head, Department of Health Economics, Corvinus University Budapest, Hungary. (<http://hecon.uni-corvinus.hu>) He is the head of the Hungarian Office for Health Technology Assessment (HunHTA).



By profession he is a physician (Debrecen University Medical School), having university degrees of mathematics (Kossuth University of Arts and Sciences, Debrecen), mathematical economics and sociology (Corvinus University of Budapest), and health economics (University of York).

He received PhD degrees from the Medical University of Amsterdam (public health and quality of care), from the Budapest University of Economic Sciences (health economics), from the Semmelweis Medical University Budapest (clinical epidemiology – infection control) and from the Debrecen Medical University (public health). He is qualified in social medicine.

He is a member of the Editorial Board of the European Journal of Health Economics (EJHE), the Value in Health Regional Issues (ViHRI) Editorial Advisory Board, and the Editorial Board of the Hungarian Medical Journal, and the Society and Economy and Academic Editor PLOS ONE Editorial Board, and Health Academy, University of Pécs.

He is the past President of the Health and Health Care Economics Section of the Hungarian Economics Association.

To date (March 2016) he (co)authored more than 270 articles in peer reviewed journals, published 11 books, 66 book chapters and on health economics, public health, health technology assessment, health policy and quality improvement. IF: 156,966. Citation:1221 (independent citations: 809). Hirsh index: 18.

He has successfully supervised the completion of 6 PhD thesis and in the process of supervising another 4.