

In vivo 共焦点ラマン分光装置 Model 3510 海外文献リスト

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“In Vitro and In Vivo Raman Spectroscopy of Human Skin”
Biospectroscopy, Vol.4 S31-S39, 1998
2. P.J.Caspers¹, G.W. Lucassen², H.A.Bruining¹ and G. J. Puppels¹
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“Automated depth-scanning confocal Raman microspectrometer for rapid in vivo determination of water concentration profiles in human skin”
Journal of Raman Spectroscopy, J. Raman Spectrosc. 31, 813-818, 2000
3. P.J.Caspers¹, G.W. Lucassen², Elizabeth A. Carter,³ H.A.Bruining¹ and G. J. Puppels¹
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2 Personal Care Institute, Philips Research
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“In Vivo Confocal Raman Microspectroscopy of the Skin: Noninvasive Determination of Molecular Concentration Profiles”
The Society for Investigative Dermatology, VOL.116,No.3 March, 2001

4. P.J.Caspers2, Adrian C. Williams1, Elizabeth A. Carter1, Howell G.M.Edward3,
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3 Department of Chemical and Forensic Sciences, University of Bradford, UK

**“Monitoring the Penetration Enhancer Dimethyl Sulfoxide in Human Stratum
Corneum in Vivo by Confocal Raman Spectroscopy”**

Pharmaceutical Research, VOL.19,No.10 October, 2002

5. P.J.Caspers1, G.W. Lucassen2 and G. J. Puppels1

1 Erasmus MC, University Medical Center Rotterdam, Department of General
Surgery,

2 Personal Care Institute, Philips Research

**“Combined In Vivo Confocal Raman Spectroscopy and Confocal Microscopy
of Human Skin”**

Biophysical Journal, VOL.85(1),572-580, July, 2003

6. Shuliang L. Zhang1, Peter J. Caspers2 and G. J. Puppels2

1 Unilever Research and Development

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**“In Vivo Confocal Raman Microspectroscopy of the Skin: Effect of Skin Care
Products on Molecular Concentration Depth-Profiles”**

Microsc Microanal 11(Suppl 2), 2005

7. Andre van der Pol, William M. Riggs, and Peter J. Caspers

“In Vivo Raman Confocal Microspectroscopy of Skin”

(Forthcoming as Chapter 7 in Applications of Raman Spectroscopy in the
Pharmaceutical Industry, Slobodan Sasic, ed., Blackwell 2007.)

10 January 2007

8. Valentine Wascotte¹, Peter J. Caspers², Johanna de Sterke², Michel Jadoul³, Richard H.Guy⁴, and Veronique Preat¹
1. Unite de Pharmacie Galenique, Unicversite Catholique de Louvain
 2. River Diagnostics B.V.
 3. Department de Nephrologie, Cliniques Universitaires Saint Luc
 4. Department of Pharmacy and Pharmacology, University of Bath
- "Assesment of the "Skin Reservoir" of Urea by Confocal Raman Microspectroscopy and Reverse Iontophoresis in vivo"**
- Pharmaceutical Research , April,2007
9. Paul D. A. Pudney¹, Mickael Melot, Peter J. Casper, Andre van der pol and, Gerwin J.Puppels
- Measurement Science Unit , Unilever R&D and River Diagnostics B.V.
- "An In Vivo Confocal Raman Study of the Deliver of Trans-Retinol to the Skin"**
- Applied Spectroscopy , Vol.61, No.8, 2007
10. J. Wu and T.G. Polefka
- Colgate Palmolive Company, 909 River Road, Piscataway, NJ 08854, USA
- "Confocal Raman microspectroscopy of stratum corneum: a pre-clinical validation study"**
- International Journal of Cosmetic Science, Vol.30 47-56, 2008
11. Georgios N. Stamatas¹, Johanna de Sterke², Matthias Hauser³, Otto von Stetten³, and Andre van der Pol²
1. Johonson & Johonson Consumer France SA, Issy-les Moulineau, France
 - 2 River Diagnostics BV, Rotterdam, The Netherlands
 - 3 Johonson & Johonson Consumer Germany, Dusseldorf, Germany
- "Lipid Uptake and Skin Occlusion Following Topical Application of Oils on Adult and Infant Skin"**
12. Gerald W. Lucassen (Philips Research, Eindhoven , The Netherlands)
- Peter J. Caspers, Gerwin J. Puppels (Erasmus University Rotterdam, Rotterdam, Netherlands)
- "Infrared and Raman Spectroscopy of Human Skin in Vivo"**

13. 江川 麻里子(資生堂リサーチセンター)

“**In vivo evaluation of the protective capacity of sunscreen by monitoring urocanic acid isomer in the stratum corneum using Raman spectroscopy**” *

(角層中ウロカニン酸を指標としたラマンスペクトル測定による紫外線防御能の評価)

: Skin Research & Technology, 14:1-8,2008

14. Stephan Bielfeldt₁, Volker Schoder₁, Ulrike Ely₁, André van der Pol₂, Johanna de Sterke₂ and Klaus-Peter Wilhelm₁

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Rotterdam,Netherlands

“**Assessment of Human Stratum Corneum Thickness and its Barrier Properties by In-Vivo Confocal Raman Spectroscopy**” *

(In vivo 共焦点ラマンスペクトル測定によるヒト角層厚とバリア機能の評価)

: IFSCC バルセロナ2008 10月開催 発表論文

15. Sophie Gardinier₁, Muriel Isoir₁, Julie Latreille₁, Christiane Guinot_{1,2} and Erwin Tschachler_{1,3}.

1. CE.R.I.E.S. Neuilly sur Seine. France

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3. Department of Dermatology. University of Vienna Medical School. Vienna.
Austria.

“**Stratum Corneum Amino Acid Concentrations Assessed By In Vivo Confocal Raman Spectroscopy Reflect Well The Skin Hydration State**” *

(In vivo 共焦点ラマンスペクトルを用いて測定された角層中のアミノ酸は皮膚の保湿状態を良く反映する) : IFSCC バルセロナ 2008 10 月開催 発表論文

16. Maxim E, Darvin₁, Hoachim W. Fluhr₁₂, Peter Casper₃, In vivo distribution of carotenoids in different anatomical locations of human skin: comparative assessment with two different Raman spectroscopy methods.

17. Greg Nole, MS, Unilever R&D, Trumbull,CT, United States

“**In vivo confocal microscopy reveals new skin moisturizing system that hydrates all levels of stratum corneum more effectively than equivalent dose of glycerol**” : 第 68 回 AAD ポスター抄録 2010.3.マイアミ

株式会社インテグラル
River Diagnostics

18. Noriaki Nakagawa¹, Masayuki Matsumoto² and Shingo Sakai¹
1. Kanebo Cosmetics Inc., Basic Research Laboratory, Kanagawa, Japan
2. Kanebo Cosmetics Inc., Products Science Research Laboratory, Kanagawa, Japan
“In vivo measurement of the water content in the dermis by confocal Raman spectroscopy” Skin research and Technology 2010;16:137-141
19. Mariko Egawa, Junko Nomura and Haruhi Iwaki. Shiseido Research Center :**The evaluation of the amount of cis-and trans-urocanic acid in the stratum corneum by Raman spectroscopy.**(ラマンスペクトル測定による角層中のシスーおよびトランヌーウロカニン酸の測定) Photochem, Photobiol Sci 2010,9,730-733
*
20. A.J. Byrne(Oriflame Research and Development Ltd, Bray Business Park, Kilruddery, Bray, Co, Wicklow, Ireland) : **Bioengineering and subjective approached to the clinical evaluation of dry skin.** International Journal of Cosmetic Science, 2010,1-12
*
21. Noriaki Nakagawa(Kanebo Cosmetics Inc)他 : **In vivo measurement of the water content in the dermis by confocal Raman spectroscopy.** (共焦点ラマンによる真皮中の in vivo 水分測定) Skin Research and Technology 2010 16 137-141
*
22. Janeta Nikolovski(Advanced Technologies, Johnson & Johnson Consumer and Personal Products Worldwide, Skillman, New Jersey, USA)他 : **Barrier Function and Water-Holding and Transport Properties of Infant Stratum Corneum Are Different from Adult and Continue to Develop through the First Year of Life.** (小児における角層バリア機能、保湿性、水分の吸着) Journal of Investigative Dermatology 2008 128 1728-1736 *
23. Noriaki Nakagawa, Shingo Sakai (Kanebo Cosmetics Inc., Basic Research Laboratory, Kanagawa, Japan), Masayuki Matsumoto (Kanebo Cosmetics Inc., Products Science Research Laboratory, Kanagawa, Japan) :**In vivo measurement of the water content in the dermis by confocal Raman spectroscopy.** Skin Research and Technology 2010,16,137-141 *