



"Curriculum Vitae"

Personal details:

First name: **Mojgan**

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Education:

2004-2006: Post-Doctoral Fellow in primary immunodeficiency, HAE (Queen Mary University of London and the Royal London Hospital, London, UK)

2002-2004: PhD in Clinical Immunology (University of Manchester, Manchester, UK)

2000-2001: MSc. Course in Clinical Immunology (University of Manchester, Manchester, UK)

1998-2000: MSc. in Molecular Parasitology and vector biology (University of Manchester, Manchester, UK)

1997-1998: Diploma in English (Manchester College of Art and Technology, Manchester, UK)

1988-1992: BSc. in Microbiology (Azad University, Kerman, Iran)

Professional Qualifications:

2005-: **Certified State registered** as Clinical Immunologist (Iranian Medical Council)

Membership at Professional organisation:

- British Society for Immunology
- British Society for Histocompatibility and Immunogenetics
- British Society for Parasitology
- Iranian Medical Council

Current Employment

2014-: Associate professor in clinical immunology (Faculty of medical Sciences, Department of Immunology, Mashhad University of Medical Sciences, Mashhad, Iran).

2014-: Member of Immunology Research Centre (Immunology Research Centre, Mashhad University of Medical Sciences, Mashhad, Iran)

2014-: Member of Allergy Research Centre (Allergy Research Centre, Mashhad University of Medical Sciences, Mashhad, Iran)

2014-: Member of research committee of Immunology (Faculty of medical Sciences, Department of Immunology, Mashhad University of Medical Sciences, Mashhad, Iran)

2012-: Associate professor in clinical immunology (Faculty of medical Sciences, Department of Immunology, Kerman University of Medical Sciences, Kerman, Iran).

2012-: Advisor for Medical students (Kerman University of Medical Sciences, Kerman, Iran)

2009-: Member of Physiology Research Centre (Physiology Research Centre, Kerman University of Medical Sciences, Kerman, Iran)

2008-: Member of Research Committee in Gastrointestinal Diseases

Previous Employment and Appointments:

2009-2013-: Head of General Education (Kerman University of Medical Sciences, Kerman, Iran)

2008-2010-: Head of Laboratory Sciences Department (Faculty of allied medical Sciences, Kerman University of Medical Sciences, Kerman, Iran)

2009-: Deputy Director of Medical Education and Development centre (Kerman University of Medical Sciences, Kerman, Iran)

2009-: Executive Director of Gifted and Talented Students Centre (Kerman University of Medical Sciences, Kerman, Iran)

2009-: Manager of executive committee for first Iranian Medical students Olympiads (Kerman University of Medical Sciences, Kerman, Iran)

2008-2009: Academic Member of Student Research Committee (Kerman University of Medical Sciences, Kerman, Iran)

2009: Member of Research Committee affiliated to Faculty of Allied Medical Sciences (Kerman University of Medical Sciences, Kerman, Iran).

2009: Head of curriculum design committee in Education and Development office affiliated to Faculty of Allied Medical Sciences (Kerman University of Medical Sciences, Kerman, Iran).

2008-: Superior advisor of student advisors affiliated to Faculty of Allied Medical Sciences (Kerman University of Medical Sciences, Kerman, Iran)

2008-: Advisor for Medical Laboratory's Sciences students (Kerman University of Medical Sciences, Kerman, Iran)

2007-: Assistant Professor in Clinical Immunology (Faculty of allied medical Sciences, Department of Immunology, Kerman University of Medical Sciences, Kerman, Iran).

2004-2006: Post-Doctoral Fellow (Queen Mary University of London and the Royal London Hospital, London, UK).

1992-1997: Academic Instructor (Azad University, Kerman, Iran).

Teaching experience

2007-2014: Teaching Clinical Immunology to Medical, Pharmacy, Dentistry, Medical Laboratory Sciences, Midwifery and Nursing students. Teaching of specific Medical Immunology courses to Postgraduate students in different fields of medical sciences, such as Senior Registrars, Ph.D. and MSc students (Kerman University of Medical Sciences, Kerman, Iran).

1992-1997: Teaching of experimental biochemistry to Microbiology, Midwifery and Nursing students).

Trainee/Workshops/experience:

2005-2006: Registered as BSHI (British Society for Histocompatibility and Immunogenetics) trainee (Clinical Transplantation Laboratory, The Royal London Hospital, London, UK).

- **Trainee (2001)** I had been trained for different PCR and specially RT-PCR techniques. (The University of Manchester, Department of Rheumatology,

Manchester, UK).

- **Workshop (2004)** International HAE (Hereditary Angioedema) scientific/medical Workshop, October 2004 in Gargnano, Italy.
- **Workshop (2005)** 4th European C1-INH Deficiency scientific/medical Workshop, April 2005 in Budapest, Hungary.

- دبیر اجرایی اولین کارگاه آموزشی سما و قوانین آموزشی دانشگاه علوم پزشکی کرمان (۱۳۹۰)، معاونت آموزشی دانشگاه علوم پزشکی کرمان، ایران.

Technical skills

A- Genetic:

DNA and RNA extraction, Primer design, Bioinformatics searches at DNA databases, Basic statistical analysis of genetic data (including EH (Estimated Haplotype) program, STATA), DNA cloning, TaqMan® Real-Time PCR, PCR-SSCP, PCR-RFLP, ARMS-PCR (SSP), semi-quantitative RT-PCR, DNA sequencing.

B- Immunology and Immunogenetics:

ELISA, Cell culture, SDS-PAGE, EITB, Western blotting, HLA (Human Leukocyte Antigen) typing (by molecular and serology methods).

C- Biochemistry:

Electrophoresis and Spectrophotometer analysis.

D- Computer skills:

I am proficient in the following programmes: Access and Excel databases, Word processing, Power point, graphic and presentation soft wares.

Publications:

1. Mohammadi M, Gozashti MH, Aghadavood M, Mehdizadeh MR, Hayatbakhsh MM*. Clinical Significance of Serum IL-6 and TNF- α Levels in Patients with Metabolic Syndrome. Under press by Rep Biochem Mol Biol, 2017.

2. Mohammadi M, Tahmasebi-Abdar H, Mollaei HR, Hajghani H, Baneshi MR, Hayatbakhsh MM*. Serotonin Transporter Gene (SLC6A4) Polymorphism and Mucosal Serotonin Levels in Southeastern Iranian Patients with Irritable Bowel Syndrome. *Middle East J Dig Dis* 2017; 9:26-32.
3. Seyedmirzaee S, Hayatbakhsh MM, Ahmadi B, Baniasadi N, Mohammad Bagheri Rafsanjani A, Nikpoor AR, Mohammadi M*. Serum immune biomarkers in irritable bowel syndrome. *Clin Res Hepatol Gastroenterol* 2016; 40(5):631-637.
4. Baniasadi N, Salajegheh F, Pardakhty A, Seyedmirzaee S, Hayatbakhsh MM, Nikpoor AR, Mohammadi M*. Effects of pentoxifylline on nonalcoholic steatohepatitis: a randomized, double-blind, placebo-controlled trial in Iran. *Hepat Mon.* 2015; 15(11):e32418.
5. Mohammadi M, Zahedi MJ, Nikpoor AR, Nazem M, Khazaeli P, Hayatbakhsh MM. Determination of Vitamin D Serum Levels and Status of the C3435T Polymorphism of Multidrug Resistance 1 Gene in Southeastern Iranian Patients with Ulcerative Colitis. *East J Dig Dis* 2015; 7:245-52.
6. Mohammadi M, Rastin M, Rafatpanah H, Abdoli Sereshki H, Zahedi MJ, Nikpoor AR, Baneshi MR, Hayatbakhsh MM. Association of HLA-DRB1 with ulcerative colitis in the population of Kerman, southeast Iran; protective effect of HLA-DRB1*04 allele on the disease. *Iran J Allergy Asthma Immunol.* 2015; 14(3):306-12.
7. Soukhtanloo M, Talebian E, Golchin M, Mohammadi M, Amirheidari B. Production and Characterization of Monoclonal Antibodies against Aflatoxin B1. *J Immunoassay Immunochem.* 2014; 35(4):335-43.
8. Kaviani M, Ezzatabadipour M, Nematollahi SN, Salehinejad P, Mohammadi M, Kalantar SM, Motamedi B. Evaluation of gametogenic potential of vitrified human umbilical cord Wharton's jelly-derived mesenchymal cells. *Cytherapy*, 2014; 16: 203e212
9. Ezzatabadipour M, Kaviani M, Salehinejad P, Mohammadi M, Nematollahi-Mahani SN. Verification of human umbilical cord wharton's jelly-derived mesenchymal stem cells. *CryoLetters.* 2013; 34 (5): 471-480
10. Mohammadi M, Zahedi MJ, Nikpoor AR, Baneshi MR, Hayatbakhsh* MM. Interleukin-17 serum levels and TLR-4 polymorphisms in Ulcerative Colitis. *Iranian Journal of Immunology.* 2013; 10(2):83-92
11. Hayatbakhsh MM, Zahedi MJ, Shafiepour M, Nikpoor AR, Mohammadi M*. IL-23 Receptor Gene rs7517847 and rs1004819 SNPs in Ulcerative Colitis. *Iranian Journal of Immunology.* 2012; 9 (2): 128-135

12. Mohammadi M*, Hayatbakhsh MM, Zahedi MJ, Jalalpour MR, Pakgozar A. Serum Interleukin-23 Levels in Patients with Ulcerative Colitis. Iranian Journal of Immunology. 2011; 8 (3): 183-188
13. Mohammadi M*, Day PJ. The influence of immunosuppressive drugs on vascular endothelial growth factor production in relation to VEGF -1154G and -2578 C genotypes. Iranian journal of Immunology. 2010; 6 (4): 217-225
14. Mohammadi M*, Bazrafshani MR, Day PJ, Ollier WER. Vascular endothelial growth factor production is regulated by gene polymorphisms. Iranian Journal of Immunology. 2009; 6 (3): 119-129
15. Tarzi MD*, Hickey M, Förster T, Mohammadi M and Longhurst HJ. An evaluation of tests used for the diagnosis and monitoring of C1 inhibitor deficiency: normal serum C4 does not exclude hereditary angio-oedema. Clinical and Experimental Immunology. 2007; 149 (3): 513-6.
16. Mohammadi M, Day PJ*. Oligonucleotides used as template calibrators for general application in quantitative polymerase chain reaction. Anal Biochem. 2004; 335 (2): 299-304.

Persian Published Abstracts (Conferences presentations):

۱. ارزیابی یکپارچگی درونی نمرات دانشجویان پزشکی دانشگاه علوم پزشکی کرمان در دروس ایمنولوژی و پاتولوژی (سخنرانی). مژگان محمدی، علی اکبر حق‌دوست، رضا ملکپور افشار، حسین صافی زاده. پانزدهمین همایش کشوری آموزش پزشکی. اردیبهشت ۱۳۹۳، یزد، ایران.
۲. یادگیری الکترونیک و چالش ارزیابی فراگیران. علی مهدی زاده، پروین رضایی گزکی، مژگان محمدی. پنجمین همایش یادگیری الکترونیکی در آموزش علوم پزشکی. بهمن ۱۳۹۰، کرمان، ایران.
۳. دبیر اجرایی اولین کارگاه آموزشی سما و قوانین آموزشی دانشگاه علوم پزشکی کرمان. دیماه ۱۳۹۰. معاونت آموزشی دانشگاه علوم پزشکی کرمان، ایران.
۴. جستاری در مفهوم عدالت آموزشی. پروین رضایی، مژگان محمدی. دوازدهمین همایش کشوری آموزش پزشکی. اردیبهشت ۱۳۹۰، مشهد، ایران.
۵. ارزیابی سر فصلهای موجود درس ایمنولوژی پزشکی. مژگان محمدی، علی اکبر حق‌دوست و حسین صافی زاده. هشتمین همایش کشوری آموزش پزشکی. اسفند ۱۳۸۵، کرمان، ایران.

English Published Abstracts (Conferences presentations):

1. H Zare Marzoni , M Mohammadi* , F Jabbari Azad, R Farid Hosseini, M Khoshkhai, J Tavakolafshari Positive association between C-159T functional gene polymorphism and allergic rhinitis.. Positive association between C-159T functional gene polymorphism and allergic rhinitis. The 3rd International Congress of Immunology, Asthma and Allergy. Tehran, Iran, February 2017.

2. M Mohammadi*, H Zare Marzouni, F Jabbari Azad, R Farid Hosseini, M Khoshkhoui, J Tavakolafshari. High serum levels of CD14 in patients with Allergic Rhinitis. High serum levels of CD14 in patients with Allergic Rhinitis. The 3rd International Congress of Immunology, Asthma and Allergy. Tehran, Iran, February 2017.
3. M Mohammadi*, H Zare Marzouni, R Farid Hosseini, F Jabbari Azad, M Khoshkhoui, J Tavakolafshari. Lack of association between the most common allergens and different genotypes of C-109T polymorphism in CD 14 gene in patients with allergic rhinitis 3th International Congress of Immunology, Asthma and Allergy (& First Food Allergy Symposium). Mashhad, Iran, May 2016.
4. SJ Ghorbani, F Jabbari Azad, M Mohammadi, R Farid Hosseini, A Bahrami, M Panahi. Efficacy Of Extract zataria multiflora on expression of T regulatory and TH 17 genes clinical sign and in Perennial Allergic Rhinitis. 3th International Congress of Immunology, Asthma and Allergy (& First Food Allergy Symposium). Mashhad, Iran, May 2016.
5. M Mohammadi*, AA Mianroodi, S Dabiri, HR Mollaei, S Rezaee Jouzdani, M Amizadeh, J Esmilzadeh, MR Baneshi. Frequency of the functional polymorphism, C-590T, in the promoter region of interleukin 4 gene in Iranian patients with nasal polyps. **Oral Presentation.** 3th International Congress of Immunology, Asthma and Allergy (& First Food Allergy Symposium). Mashhad, Iran, May 2016.
6. M Mohammadi*, N Baniasadi, F Salajegheh, S Seyedmirzaee, MM Hayatbakhsh, A Pardakhty, AR Nikpoor. Effect of pentoxifylline on the serum level of interleukin-6 in patients with non-alcoholic steato-hepatitis. 3th International Congress of Immunology, Asthma and Allergy (& First Food Allergy Symposium). Mashhad, Iran, May 2016.
7. M Mohammadi*, S Seyedmirzaee, MM Hayatbakhsh, B Ahmadi, N Baniasadi, A Mohammad Bagheri Rafsanjani, AR Nikpoor. Interleukin 8 as a valuable biomarker for diagnosis of irritable bowel syndrome 3th International Congress of Immunology & Allergy of Iran. Tehran, Iran, April 2016.
8. M Mohammadi*, M Davarpanah Tanha Ghochan, F Homaei shandiz, A Jalali, J Tavakolafshari, AR Nikpoor. The lack of association between -104A<G polymorphism in fatty acid synthase gene and risk of breast cancer. 13th International Congress of Immunology & Allergy of Iran. Tehran, Iran, April 2016.

9. M Davarpanah Tanha Ghochan, M Mohammadi*, A Jalali, J Tavakolafshari, F Homaei shandiz , AR Nikpoor AR.Strong linkage disequilibrium between -670 A>G and -1377 G>A polymorphisms in FAS gene in patients with breast cancer and controls. **Oral Presentation.** 1st International Nastaran Cancer Symposium. Mashhad, Iran, November 2015.
10. MM Hayatbakhsh MM, M Mohammadi* , HR Mollaei, MR Baneshi MR, H Tahmasby. Status of rectal serotonin level in IBS patients. 44th Annual meeting of the German Society for Immunology. Bonn, Germany, September 2014.
11. M Mohammadi*, J Tavakolafshari, A Jalali, M Davarpanah Tanha Ghochan, F Homaei Shandiz, MR Baneshi.Lack of association between FAS -1377 G>A gene polymorphism and metastasis of breast cancer in Iran. 44th Annual Meeting of the German Society for Immunology. Bonn, Germany. September 2014.
12. M Mohammadi*, Parvaresh s, Maftouhi M, Nikpoor AR. Vitamin D receptor TaqI polymorphism in children with urolithiasis in Kerman. 12th International congress of immunology and allergy of Iran. Tehran, Iran, May 2014.
13. AR Nikpoor, M Mohammadi*, MM Hayatbakhsh, MJ Zahedi. Thr399Ile polymorphism in Toll like receptor 4 gene may be a predictive factor for severity of ulcerative colitis. 12th International congress of immunology and allergy of Iran. Tehran, Iran, May 2014.
14. M Mohammadi*, H Abdoli Sereshki, AM Nikpoor, MM Hayatbakhsh, MJ Zahedi, H Rafatpanah, M Rastin, MR Baneshi. To investigate the linkage disequilibrium between HLA-DRB1 and TLR4 gene polymorphisms in the development of ulcerative colitis. 12th International congress of immunology and allergy of Iran. Tehran, Iran, May 2014.
15. M Mohammadi*, MM Hayatbakhsh. Association between HLA-DRB1*13 and severity of disease in ulcerative colitis patients in Kerman. Iranian congress of gastroenterology and hematology. Tehran, Iran, December 2013.
16. M Mohammadi*, MM Hayatbaksh MM, H Abdoli Sereshki, MJ Zahedi, AR Nikpoor, H Rafatpanah, M Rastin, MR Baneshi. Protective role of HLADRB1*04 allele against ulcerative colitis in Iran. 15th International congress of immunology. Milan, Italy, August 2013.
17. H Abdoli Sereshki, M Mohammadi*, MM Hayatbakhsh, MJ Zahedi, H Rafatpanah, M Rastin, MR Baneshi, AR Nikpoor. Investigating of correlation

between HLA-DRB1 gene polymorphism and blood factors including, ESR, PLK, CRP in ulcerative colitis patients. The 5th International Congress of Laboratory and Clinic blood disorders. Tehran, Iran, February 2012

18. M Mohammadi*, MM Hayatbakhsh, H Abdoli Sereshki, MJ Zahedi, H Rafatpanah, M Rastin, MR Baneshi, AR Nikpoor. Frequency of HLA-DRB1 gene polymorphisms in Kerman, south east Iran. The second international congress of immunology, asthma and allergy. Tehran, Iran, February 2013.
19. M Mohammadi*, MM Hayatbakhsh, H Abdoli Sereshki, MJ Zahedi, H Rafatpanah, M Rastin, MR Baneshi, AR Nikpoor. Association between HLA-DRB1*13 and severity of disease in ulcerative colitis patients in Kerman. 13th Iranian Congress of Gastroenterology and Hepatology. Tehran, Iran. November 2013.
20. M Mohammadi*, AR Nikpoor, MM Hayatbakhsh, MJ Zahedi · Influence of interleukin-17 on hemoglobin levels in patients with ulcerative colitis. 11th International congress of immunology and allergy of Iran. Tehran, Iran, April 2012.
21. M Mohammadi*, MM Hayatbakhsh, M Shafiepour, MJ Zahedi, AR Nikpoor. IL-23 receptor genotype status and IL-23 serum levels in ulcerative colitis patients in Iran. **POSTER DISCUSSION**. 11th International congress of immunology and allergy of Iran. Tehran, Iran, April 2012.
22. M Mohammadi*, P Khazaeli, MM Hayatbakhsh, MJ Zahedi, M Nazem, AR Nikpoor. Vitamin D status and ulcerative colitis patients in Kerman, Iran. 11th International congress of immunology and allergy of Iran. Tehran, Iran, April 2012.
23. M Mohammadi*, PJR Day. Suppressive effect of cyclosporine A on vascular endothelial growth factor (VEGF) isoforms. **ORAL PRESENTATION**. 11th International congress of immunology and allergy of Iran. Tehran, Iran, April 2012.
24. A Faghihi-Zarandi, S Pourabdian, MR Baneshi, M Mohammadi*, P Kadivar. To investigate humoral immune response among stainless steel welders. 11th International congress of immunology and allergy of Iran. Tehran, Iran, April 2012.

25. AR Nikpoor, M Mohammadi*, MM Hayatbakhsh, MJ Zahedi, MR Baneshi. Relationship between IL-17 levels and ulcerative colitis. 11th International congress of immunology and allergy of Iran. Tehran, Iran, April 2012.
26. AR Nikpoor, M Mohammadi*, A Khosravi Mashizi, AH Khoshi. Performance Evaluation of Salting out DNA extraction method, on blood samples with different storage conditions. 11th International congress of immunology and allergy of Iran. Tehran, Iran, April 2012.
27. AR Nikpoor, M Mohammadi*, MM Hayatbakhsh, MJ Zahedi. Strong linkage disequilibrium between Asp299Gly A>G and Thr399Ile C>T polymorphisms in toll like receptor-4 gene. **POSTER DISCUSSION**. 11th International congress of immunology and allergy of Iran. Tehran, Iran, April 2012.
28. M Mohammadi*, MM Hayatbakhsh, MJ Zahedi, AR Nickpou. To study association between Toll-like receptor gene polymorphisms and ulcerative colitis disease in Iran. 5th congress of the federation of immunological societies of Asia Oceania. New Delhi, India, March 2012.
29. E Talebian, B Amir-Heidari*, M Mohammadi, M Golchin. Production of monoclonal antibody against aflatoxin B1 in mice. 16th Iranian Pharmacy Students Seminar. Tehran, Iran, October 2011.
30. M Mohammadi*, MM Hayatbakhsh, MJ Zahedi, S Darvishmoghadam, MR Jalalpour. Serum level of interleukin-23 in ulcerative colitis: A novel marker for disease activity. Iranian congress of gastroenterology and hepatology-ICGH, Tehran, Iran, November 2010.
31. M Mohammadi*, PJ. Day. Studying of the effects of cyclosporine A on the VEGF isoforms expression revealed by TaqMan real-time RT-PCR. 9th international conference on immunosuppression and immunotherapy, Geneva, Switzerland, February 2010.
32. M Mohammadi, H Longhurst*, P Sinnott. C1 inhibitory gene analysis for patients with Hereditary Angioedema in the United Kingdom. **ORAL PRESENTATION**. (European Federation for Immunogenetics (EFI) 20th annual conference, Oslo, Norway, June 2006. Tissue Antigens, 2006. 67 (6): O38; 456).
33. M Mohammadi, H Longhurst*, P Sinnott. A novel mutation in the C1 inhibitor gene of a non-caucasoid family with Hereditary Angioedema.. (British Society for Histocompatibility and immunogenetics (BSHI) 17th annual meeting, Sheffield, UK, September 2005. International Journal of Immunogenetics, 2005).

34. M Mohammadi, WER Ollier and IV Hutchinson*. Investigation on correlation of genotype combinations of VEGF -1154 G/A and -2578 C/A with suppression of VEGF production in the individuals after treatment with immunosuppressive drugs. (British society for Human Genetics (BSHG) annual conference, York, UK, September 2005. Journal of Medical Genetics, 2005. 42: S93).
35. M Mohammadi, WER Ollier and IV Hutchinson*. Investigation on the influence of cytokines and immunosuppressive drugs on VEGF production in the individuals with combinations of VEGF -1154 G/A and -2578 C/A genotype. **ORAL PRESENTATION**. (British Society for Histocompatibility and immunogenetics (BSHI) 16th annual meeting, Plymouth, UK, September 2005. International Journal of Immunogenetics, 2005. 32 (4): 263).
36. M. Mohammadi, PJ Day, WER Ollier, S Data, N Yonan and IV Hutchinson*. Investigation on VEGF splices variants in PBMCs and hearth transplants by semi quantitative RT-PCR and Taqman® real time PCR. **ORAL PRESENTATION**. (British Society for Histocompatibility and immunogenetics (BSHI) 16th annual meeting, Plymouth, UK, September 2005. International Journal of Immunogenetics, 2005.32 (4): 263).
37. M Mohammadi, WER Ollier and IV Hutchinson*. A functional association study of VEGF gene promoter polymorphisms with suppressive effect of Cyclosporin A and Mycophenolic Acid on VEGF expression in stimulated PBMCs by LPS. (The British Transplantation Society (BTS) congress, Birmingham, UK. April 2004).
38. M Mohammadi, WER Ollier and IV Hutchinson*. The relation between cytokine and VEGF polymorphisms in acute transplant rejection. (British Society for Immunology (BSI) congress, Harrogate, UK. December 2003. Immunology, 2003. 110: 86).
39. M Mohammadi, WER Ollier and IV Hutchinson*. A functional association study of VEGF gene promoter polymorphisms with VEGF expression by stimulated pbm cells. (American society for Histocompatibility and immunogenetics (ASHI) 29th annual meeting, Miami, USA, October 2003. Human Immunology, 2003. 64: 125).
40. M Mohammadi, PS Craig*. A novel protein identification in equine hydatidosis cyst fluid by western blot technique analysis. (British Society for Parasitology, annual meeting, Manchester, UK, April 2003).