

**Curriculum Vitae of
Chen Won Sun (Sharon)**



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EDUCATION:

PhD in Statistics January 2001 ó August 2004
University of Kentucky, Lexington, Kentucky
Dissertation Title: Confidence Interval Methods in a Nonparametric Analysis
of Covariance.

MS in Statistics August 1998 - December 1999
University of Kentucky, Lexington, Kentucky

BS in Materials Engineering May 1996 - May 1998
University of Kentucky, Lexington, Kentucky

EXPERIENCE:

Consultant Biostatistician, ClinResearch Sdn. Bhd., Kuala Lumpur, Malaysia, August
2004 ó present

- Working as a GCP certified Biostatistical consultant for Clinical Research Centre located in Hospital Kuala Lumpur.
- Supervising 6 biostatisticians with master degree background.

- Providing statistical advises and methodological supports to the various clinical trials (mainly in the therapeutic area of Nephrology, Dialysis, Transplantation, Cardiovascular disease, Hypertension, Diabetes and Oncology) and clinical epidemiology studies undertaken by the Clinical Research Centre.
- Providing advises, support and performing analyses for annual report for different clinical databases such as the National Renal Registry (NRR), National Transplant Registry (NTR), National Cancer Registry (NCR), Diabetes in Children and Adolescent Registry (DiCARE), National Trauma Database (NTrD), National Neonatal Registry (NNR), National Glomerulonephritis Registry (GN), HIV Registry (NHATR), National Cataract Surgery Registry (NCSR), National Cardiovascular Database (NCVD) and National Medicine Used Survey (NMUS).
- Developing Standard Operating Procedure (SOP) according to ICH and PSI guidelines.
- Preparing relevant documentations for International Pharmaceutical auditors to review on sponsor initiated clinical trials.
- Calculating sample size and writing the statistical methods section of the study protocol according to ICH E3 and E9 guidelines.
- Generating randomization schedule according to the GCP and ICH standards.
- Preparing statistical analysis plan (SAP) for clinical trials and clinical databases.
- Participating in the Blind Review meeting for clinical trials.
- Conducting interim analysis for clinical trials.
- Performing statistical and analytical analyses as per SAP.
- Providing statistical consultation service to clinicians.
- Preparing clinical and statistical reports for clinical trials and clinical epidemiology studies using international guideline.
- Participating in preparing manuscripts for publications.
- Preparing, reviewing and updating presentation materials for conferences and workshops by using Microsoft PowerPoint.
- Providing statistics related training to researchers and physicians.

Teaching Assistant, University of Kentucky, Department of Statistics, August 2003 ó June 2004, June 1999 ó December 1999

- Instructing a fundamental statistics course to undergraduate students by myself.
- Covering basic definitions, equations and examples with applications.
- Encouraging students to participate in a variety of in class activities.
- Grade the test papers.
- Calculating grade by using Microsoft EXCEL.

Research Assistant, Cypress Semiconductor Incorporated, Lexington, KY, June 2002 ó August 2003

- Providing suggestions and consultations to existing statistical problems as well as recommending appropriate statistical approaches.
- Participating in internal statistical publications review process.
- Preparing full report by using Microsoft Word.
- Summarizing results and graphs by using Microsoft PowerPoint for presentations.

- Performing a variety of statistical analyses such as simple and multiple linear regressions, control charts, correlation analysis, hierarchical clustering analysis etc. by using Microsoft EXCEL, Statistical Analytical Software (SAS) and JMP.
- Help coworkers to interpret results or outputs obtained from SAS or JMP.

Teaching Assistant, University of Kentucky, Department of Statistics, January 2001 ó May 2002, August 1998 ó May 1999

- Conducting laboratory sessions that are associated to an applied statistical graduate level course by myself.
- These laboratory sessions are designed for non-statistics major graduate students, specifically graduate students with medical and social sciences backgrounds.
- Providing the instructions of how to use the Statistical Analytical Software (SAS) package to students.
- Grade weekly homework assignments and also computer (SAS) assignments.
- Perform data analysis in SAS on different types data set that are provided.
- Use examples to demonstrate the basic command on SAS such as PROC GLM, PROC GPLOT, PROC REG, PROC LOGISTIC, PROC FREQ, PROC FSEDIT, PROC NPAR1WAY, PROC PRINT, PROC PHREG, PROC LIFEREG, PROC ANOVA, PROC CONTENTS, PROC MIXED and PROC UNIVARIATE.
- Help the students to interpret the outputs or results from SAS.
- Use Excel to calculate the final grade for each student.

Clinical Statistician, ASG Inc., IL, January 2000 ó December 2000

- Working as a clinical statistician in Abbott Laboratory in Abbott Park, IL.
- Performing statistical and analytical analyses on clinical trials, mainly on HIV-related (FDA approved drug - Kaletra) studies.
- Participating in clinical trial protocols and reports writing by using Microsoft Word.
- Preparing materials for presentation in conferences by using Microsoft PowerPoint.

COMPUTER SKILLS:

SAS, JMP, S-PLUS, R, SPSS, STATA, nQuery Advosor., MINITAB, MATLAB, FORTRAN, UNIX, LATEX, Windows NT, Windows 98, Microsoft Office applications.

LANGUAGE CAPABILITIES:

- English, Malay and Mandarin (excellent reading, writing and speaking ability)
- Cantonese and Hakka (speaking fluently)

CONFERENCES ATTENDED:

- Nonlinear Models Conference, November 4th-6th, 1999 at University of Kentucky, Lexington, KY.
- Statistical Methodology in Alzheimer's Disease Research, II, May 10th-12th, 2002 at University of Kentucky, Lexington, KY.
- Conference for NAFSA: Association of International Educators, November 5th, 2002 at University of Kentucky, Lexington, KY.

Note: Invited to participate in an international student panel discussion session.

- Twenty-sixth annual Midwest Biopharmaceutical Statistics Workshop (also known as the Muncie Meeting), May 19th-21st, 2003 at Ball State University, Muncie, IN.
Note: Presented a poster entitled Parametric vs. Nonparametric Methods in Analysis of Covariance. A grant was awarded.
- Miniconference on Non/Semi-parametric Models, June 28th, 2003 at University of Kentucky, Lexington, KY.
- Joint Statistical Meeting (JSM), August 3rd-7th, 2003 in San Francisco, CA.
Note: Presented a poster entitled Confidence Region For Covariate Effects in a Nonparametric Analysis of Covariance.
- Good Clinical Practice Workshop, July 24th-26th, 2004 in Kuala Lumpur, Malaysia.
- Evidence Based Medicine Workshop, November 22th-24th, 2004 in IHM, Malaysia.
- Good Clinical Practice Workshop, December 5th, 2004 in Putrajaya, Malaysia.
Note: Invited speaker.
- Health Economics Workshop, March 1st, 2005 in IHM, Malaysia. **Note:** Invited speaker.
- Research Methodology and Biostatistics Introductory Course Workshop, March 4th-6th, 2005 in Penang, Malaysia. **Note:** Invited speaker.
- Quality control tools for data analysis workshop, September 2005 in Kuala Lumpur Hospital. **Note:** Invited speaker.
- Pharmacy scientific post conference workshop: understanding clinical papers, November 13th, 2005 in Sunway Lagoon Resort Hotel, Selangor. **Note:** Invited speaker.
- Good Clinical Practice Workshop, January 19th, 2006 in Awana Genting Highlands Golf & Country Resort, Malaysia.
Note: Invited speaker.
- Research Methodology and Biostatistics Introductory Course Workshop, February 14th-16th, 2006 in 3rd floor of Malaysia Medical Association House, Malaysia. **Note:** Invited speaker.
- Good Clinical Practice Workshop April 23rd, 2006 in Kota Kinabalu, Malaysia.
Note: Invited speaker.
- Health Economics Workshop, April 13th, 2006 in IHM, Malaysia. **Note:** Invited speaker.
- Statisticians in the pharmaceutical Industry Limited 2006 Annual Conference, May 15th-17th, 2006 in Bristol, United Kingdom.
- Biostatistics Introductory Workshop, May 25th-27th, 2006 in Hospital Sultanah Aminah in JB, Johor Malaysia. **Note:** Invited speaker.
- Research Methodology and Biostatistics Introductory Course Workshop, August 15th-17th, 2006 in Grand Seasons Hotel, Malaysia. **Note:** Invited speaker.
- Quality Assurance workshop, August 16th, 2006 in main auditorium, Hospital Kuala Lumpur, Malaysia. **Note:** Invited speaker.
- 9th NIH Scientific pre-conference workshop, September 18th, 2006 in Marriot Hotel, Putrajaya, Malaysia. **Note:** Invited speaker.
- Psychiatry & Mental Health: Practice Beyond Amiguity, December 4th-6th, 2006 in Price Hotel & Renaissance KL, Malaysia. **Note:** Invited speaker.

- 5th National Neonatal Registry Forum, December 18th-20th, 2006 in Equatorial Hotel, Kuala Lumpur, Malaysia. **Note:** Invited speaker.
- Research Methodology and Biostatistics Workshop, January 9th-12th, 2007 in Melaka Manipal Medical College, Melaka, Malaysia. **Note:** Invited speaker.
- Biostatistics Introductory Workshop, January 23rd-25th, 2007 in Crown Princess Hotel, Kuala Lumpur, Malaysia. **Note:** Invited speaker.
- Good Clinical Practice Workshop, March 6th-8th, 2007 in Vistana Hotel, Kuala Lumpur, Malaysia. **Note:** Invited speaker.
- Validation of Questionnaires Workshop, March 9th, 2007 in Institute for Medical Research, Kuala Lumpur, Malaysia. **Note:** Invited speaker.
- Quality Assurance workshop, August 2nd, 2007 in main auditorium, Hospital Kuala Lumpur, Malaysia. **Note:** Invited speaker.
- Good Clinical Practice Workshop, August 9th, 2007 in Hilton Hotel, Kuching, Sarawak, Malaysia. **Note:** Invited speaker.

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

American Statistical Association
 International Society for Clinical Biostatistics
 Royal Statistical Society
 Kuala Lumpur Society of Clinical Biostatistics
 Kuala Lumpur Society of Clinical Economics

PUBLICATIONS:

- Jamaiyah Haniff, Anita Das, Lim Teck Onn, Chen Won Sun, Noraihan Mohd Nordin, Sanjay Rampal, Safiah Bahrin, Muralitharan Ganeslingam, Kumar Iswaran K Kularatnam, Zaki Morad Mohamad Zaher. Anemia in pregnancy in Malaysia: a cross-sectional survey. *Asia Pacific Journal of Clinical Nutrition* 2007; 16(3):527-536.
- WS. Chen and A. Bathke. Testing Treatment-Covariate Interaction in a Nonparametric Analysis of Covariance Model. *Journal of Communications in Statistics ó Theory and Methods*, 36: 1153-1171, 2007.
- Othman, WNW, Muttalib KA, Bakri R, DOSS JG, Jaafar N, Salleh NC, Chen WS. Validation of the Geriatric Oral Health Assessment Index (GOHAI) in the Malay Language, *Journal of Public Health Dentistry*. Paper was accepted in May 2006.
- Chen, W.S., Bathke, A. (2004). Confidence Interval Methods in a Nonparametric Analysis of Covariance. Technical Report 396, University of Kentucky, Department of Statistics, USA.
- First Report of the National Transplant Registry 2004. National Transplant Registry, Malaysia.
- Second Report of the National Transplant Registry 2005. National Transplant Registry, Malaysia.
- Second Report of the National Cancer Registry 2003. National Cancer Registry, Malaysia.

- First Report of the National Neonatal Registry 2004. National Neonatal Registry, Malaysia.
- Second Report of the National Neonatal Registry 2005. National Neonatal Registry, Malaysia.