

## **The Application of the Latin Questionnaire for Surveillance of WRMSD**

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The Latin Questionnaire model differs from other proposed because it employs a positive threshold, which allows the selection of significant cases. This strategy is indispensable to conduct preliminary epidemiological studies, offering the possibility of comparing collective data of exposed working population with those not exposed to biomechanical overload.

The application of the Latin Questionnaire, in different productive sectors and in different Countries, has achieved the objective of testing its applicability and thanks to the free software of allowing statistical analysis of results, even for non-experts in epidemiology. Examples of health surveillance results are presented with “Prevention and management of MSDs in different work scenarios in 5 Latin American Countries.

Examples of health surveillance outcomes conducted with the Latin Questionnaire and their management are presented here. The productive sectors involved are: -Colombia: plastic products (Erica Zapata) -Ecuador: poultry slaughter plant (Leopoldo Suarez) -Costa Rica: printing and packaging of products (Eugenia Herrera). -Perù: foundry (Mirko Pezoa) -Mexico: new validation test (José Horacio Tovalín) Target audience and limit All the professional figures involved in occupational health surveillance.

The data presented indicate the importance of completing the clinical screening of workers with a collective evaluation of results, comparing the percentages observed with reference groups. This is important because, even in the absence of adequate risk assessment, the significant excess of the positive thresholds demonstrates the presence of risk for the anatomical area, for which the surplus is detected.

### **About Our Speakers:**

1. Daniela Colombini

MD in Occupational Medicine and Statistics, European Ergonomist. President of Scientific Association Ergonomics of Posture and Movements International Ergonomics School (EPM

IES).

Daniela Colombini has 40 years of experience in risk assessment methods for biomechanical overload prevention. Coauthor of OCRA method, VLI NIOSH ML, TACOs posture. Occupational Medicine Professor at the University of Milan, Florence and Bogotá for many years, she's an active member of CEN and ISO in TC 159 SC3: co-chair of sub-groups in TC MSDs in International Ergonomics Association since the past 20 years. Daniela is also the Chair of ISO TR 23476 (*agriculture*) and the new ISO TR (*construction*) and has authored more than 20 books and 200 scientific papers.

## 2. Dr. José Horacio Tovalín Ahumada

Doctor. in Occupational Health, University of Texas

Dr. José Horacio Tovalín Ahumada holds a Master's degree in Ergonomics from the University of Girona, showcasing his advanced knowledge and expertise in the field. With a Medical Doctor degree from the National Autonomous University of Mexico (UNAM-México), he possesses a strong foundation in medical principles and practices. Dr. Tovalín Ahumada has also received specialized training at the prestigious Ramazzini College of Mexico, further augmenting his proficiency in occupational health and safety. With this comprehensive educational background, he is well-prepared to tackle ergonomic challenges and prioritize the well-being of workers across diverse industries.

## 3. Dra Erica Zapata

Doctor and Surgeon

Erica Zapata is a highly skilled Occupational Health Specialist with expertise in the management and control of occupational risks. She has specialized knowledge in Physical Ergonomics, allowing her to address and optimize the physical aspects of work environments. As a Medical Specialist Consultant, Erica has collaborated with notable companies such as Normarh S.A.S, Florius S.A.S, Mabe S.A.S, among others. Her extensive experience and proficiency in occupational health and safety equip her with the ability to provide valuable insights and guidance to organizations, ensuring the well-being and safety of their workforce. Erica Zapata's contributions to the field make her a trusted professional in the realm of occupational health management and risk mitigation.

## 4. Dr. Leopoldo Eduviges Suárez Rocafuerte

Doctor of medicine and surgery

Dr. Leopoldo Eduviges Suárez Rocafuerte is a distinguished professional who holds a Master's degree in Safety, Industrial Hygiene, and Occupational Health. With a specialized focus on Labor Ergonomics from the University of Girona, he possesses advanced knowledge

in optimizing work environments to ensure the well-being and efficiency of workers. As an Occupational Doctor at PRONACA S.A., Dr. Suárez Rocafuerte utilizes his expertise to safeguard the health and safety of employees within the organization. His diverse educational background and practical experience make him a valuable asset in promoting occupational health and ergonomics, ultimately contributing to creating healthier and safer workplaces.

#### 5. Dra. Eugenia Herrera.

Medical Doctor

Doctor of medicine and surgery

Dra. Eugenia Herrera is a dedicated professional who plays a pivotal role in the administration of J&S Medical, a company that offers comprehensive medicine services, brigade training, chronic patient control, and health promotion and prevention campaigns to external entities. As the Head of the Ergonomics Department, she leads initiatives to optimize work environments and enhance the well-being and productivity of employees. Currently pursuing a Master's Degree in Occupational Risks, Dra. Eugenia Herrera demonstrates her commitment to expanding her knowledge and expertise in this field. With her diverse skill set and passion for occupational health, she contributes significantly to the advancement of workplace safety and employee well-being.

#### 6. Dr. Mirko Rogers Pezoa Villanueva

Surgeon Master in Occupational Medicine and Environment

Dr. Mirko Rogers Pezoa Villanueva is a highly accomplished professional with a Master's degree in Ergonomics and Applied Psychosociology Works. With this specialized background, he possesses extensive knowledge in optimizing work environments and addressing the psychosocial aspects of occupational health. As the Medical Manager at MG Occupational Health, Dr. Pezoa Villanueva demonstrates his expertise in overseeing medical operations and ensuring the well-being of employees. His multifaceted skill set and dedication to occupational health make him a valuable asset in promoting a safe and healthy work environment.