

## Giovanni Gnemmi

Bovinevet Bovine Ultrasound Services

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### PRESENT POSITION

Director of Bovinevet Bovine Ultrasound Services

Professor of Bovine Reproduction Pathologies, Universidad Catolica San Vicente Martin Valencia

### SOCIAL MEDIA

Facebook: giovanni gnemmi; Bovinevet

### WEB

[www.bovinevet.com](http://www.bovinevet.com)

[www.ruminantultrasonography.com](http://www.ruminantultrasonography.com)

### EDUCATION

1993 DVM University of Milan, Milan, Italy

2004 Diplome European College Bovine Health Medicine

2006 Ph.D. University of Milan.

### PROFESSIONAL EXPERIENCE

1980-1992 AI technician

1993 – 1999 Veterinary practitioner

1999 – current Director Bovinevet

1996-2001 Responsible no profit project ELPZOO (Experience in Bolivia and Peru)

2002-2008 Responsible no profit project Tecno Parco Lodi (Experience in Peru)

2008 – current	Responsible GGF Group (French CH) Reproductive management and training
2012 – current	Alta Genetics Consulter for reproduction and teaching
2016 – current	Semex Canada Consulter for reproduction and teaching
2017 – current	Reproductive consulter Austasia Group and Modern Farm Group China
2017 – current	Professor of Bovine Reproduction Pathologies, UCV Valencia, España

## **EDUCATION**

Course in bovine surgery (Prof. Asmus) Clínica bovina S. Francesco 1994

Course in teat surgery (Prof. Rühsh) Clínica S. Francesco 1994

Course in embryo transfer. S.S. Genetic Wisconsin USA, 1994

Course in embryo transfer. S.S. Genetic Wisconsin USA, 1996

Course in bovine internal medicine (Prof. Dirksen) Clínica S. Francesco 1995

Course in acupuncture and neural therapy (Prof. Kothbauer) Clínica S. Francesco 1995

Course in bovine ultrasonography (Prof. Kähn) Clínica S. Francesco bovina 1995

Course in bovine preventive medicine (Prof. Brand) Clínica S. Francesco 1996

Course in embryo biopsy. Boviteq, Canadá, 1999

Course in follicular dynamic. Ireland, Dublin Veterinary College (Prof. J. Roche), 1999.

## **TEACHING**

Contract professor in bovine surgery, Milan 1998/1999, 1999/2000. Director Prof. Flaminio Addis

Professor of the master: Veterinary Public Health, Milan 2005-2007

Professor of Bovine Reproduction Pathologies, UCV Valencia, España

Contract Professor in Imaging in Farm Animal: Bovine Ultrasonography, Faculty of Veterinary Medicine, Lusofona University Lisbon.

Instructor in more than 300 world training courses in bovine reproduction and ultrasonography, herd management, dairy workers management in the following countries:

Italy, Switzerland, Spain, Portugal, Germany, Poland, Hungary, Slovenia, Denmark, France, Belgium, Holland, UK, Ireland, Russia, Iran, Saudi Arabia, Egypt, Indonesia, Japan, China, Canada, USA, Mexico, Guatemala, Costa Rica, Colombia, Ecuador, Bolivia, Paraguay, Perú, Brasil, Uruguay, Argentina, Chile, Paraguay.

More than 50 courses in male reproductive ultrasound since 2004 in the following countries:  
Spain, Portugal, France, Ireland, Japan, Canada, Costa Rica, Colombia, Ecuador, Perú, Brasil, Uruguay,  
Argentina, Chile.

## **RESEARCH INTEREST**

Fields of interest are:

1. Reproductive management (ultrasound diagnosis of embryonic death, follicular dynamics, synchronization of the ovulation, uterine ultrasonography, uterine pathologies)
2. Preventive medicine and herd management
3. Continuing education of dairy workers and veterinarians.

In these areas of expertise, I have developed an international experience as a consultant to large-very large herd managers in Europe, South America, North and Central America, China, Japan, Indonesia, Middle East, North Africa.

## **COLLABORATION**

Master for “Técnicos Campesinos Reproducción Bovina”.

Cajamarca, Perú 2007-2008-2009. Financed: Technological Park of Lodi, Lodi (MI)

Master for professor of the course: “Técnicos Campesinos Reproducción Bovina”.

Cajamarca, Perú 2008-2009. Financed: Technological Park of Lodi, Lodi (MI)

60 courses in bovine reproduction and ultrasonography, 2002-2017, with BOVINEVET Italy

3 courses in bovine surgery with BOVINEVET & ERSA, Italy 2009, 2010, 2011

2 courses in extra genital ultrasonography BOVINEVET, 2010-2011, with BOVINEVET

30 courses in bovine ultrasonography with Humeco, Huesca Spain

## **EXTRACURRICULUM TEACHING**

Director of the master for “Técnicos Campesinos Reproducción Bovina”. Cajamarca, Perú 2007-2008-2009. Financed by Technical Park of Lodi, Lodi (MI)

Director of the master for trainers of the school for “Técnicos Campesinos Reproducción Bovina”  
Cajamarca, Perú 2008-2009. Financed by Technical Park of Lodi, Lodi (MI)

About 300 Ultrasound classes of bovine reproduction ultrasonography in 35 countries.

## EDUCATION IN HUMAN RESOURCE

Training for professional carrier to Dr. Federico Cavalli (1994-1997)

Training for professional carrier Dr Andrea Casellato (1999-2000)

Training for professional carrier Dr. Alberto Borrella (2002-2003)

Training for professional carrier Dr Guidarini Cristian (2007-2009)

Training for professional carrier Dr Luca Olzeri(2009-2011)

Training for professional carrier veterinaries of UNCEI France for ultrasound use in male reproduction 2009-2012

Training for professional carrier Dra Elisa Ferrari (2012-2015)

Training for professional carrier of more than 30 veterinaries of EU (Spain, Switzerland, Portugal, Holland, Ireland, UK, Iran, Belgium) (2008-2018)

Master tutor Prof. Marcantonio Sergio, Universidad de la Republica B.Aires, 2016-2017

## RESEARCH

Ultrasonography in bovine reproduction. Foschi Italy 1996

Use of cephalirine (METRICURE®) for the therapy of clinical endometritis INTERVET INTERNATIONAL 1998

Use of cephalirine (METRICURE®) for the therapy of sub clinical endometritis INTERVET INTERNATIONAL 1999

Use of cephalirine (METRICURE®) for the therapy of repeat breeders syndrome INTERVET INTERNATIONAL 1999

Ultrasonography for early no pregnancy/pregnancy diagnosis.

*ECM France 2000*

Ultrasonography for fetal sex determination.

*ECM France 2002*

Meloxicam (METACAM®) for the treatment of puerperal metritis.

*BOEHRINGER INGELHEIM INTERNATIONAL 2003-2005*

Use of flunixin meglumine (FINADYNE®) for the treatment of puerperal metritis..

*SHERING PLOUGH INTERNATIONAL 2003-2005*

Use of ergotina-serotonina (ERGOANTEMOMOVIS®) for the treatment of puerperal metritis

*BOVINEVET 2003-2005*

Use of ceftiofur (EXCENEL RTU®) for the treatment of puerperal metritis.

*PFIZER ANIMAL HEALTH 2003-2005*

Ultrasonography in male reproduction.

*ECM, UNCEIA France 2005*

Monitoring on the milk (KETOLAC®) of sub clinical ketosis.

*BOVINEVET 2003-2005*

Color Doppler in bovine reproduction.

*ECM, France 2011*

Monitoring on the blood (ABBOT OPTIUM®) of sub clinical chetosis.

*BOVINEVET 2011-2014*

Color Doppler in male reproduction.

*ECM, France 2012*

Intravaginal device (PRID®) in high production anestrus cows. CEVA INTERNATIONAL 2013-2014

A new device for cytobrush.

*MINITUBE 2012-2013*

Position of the pregnancy in dairy cattle.

*BOVINEVET, ECM 2010-2014*

Position of the fetus, male and female, in dairy cattle.

*BOVINEVET, ECM 2010-2014*

Calving index and reproductive performance.

*BOVINEVET 2012-2014*

Testicular fibrosis in prepuberal bulls: is it correlated with semen quality?

*INSEME, BOVINEVET 2009-2010*

Intravaginal device in anestrus cows type I, II, III.

*CEVA INTERNATIONAL 2012-2013*

3D model for follicular dynamic teaching.

*BOVINEVET 2014*

3D model for ovaries pathologies teaching.

*BOVINEVET 2014-15*

3D model for uterus physio-pathologies teaching .

*BOVINEVET 2014-15*

3D models for male reproduction pathologies teaching.

*BOVINEVET 2014-15*

Development of a software for the interpretation of the ultrasound image of the uterus.

*BOVINEVET and UNIVERSITY OF MONTEVIDEO, Faculties of VETERINARY & ENGINEERING*

### RESEARCH PROJECTS ATTENDED

Prevalence of twin pregnancy in dairy cattle with two corpus luteum 2014-15

Embryo death rate in twin pregnancy in dairy cattle. 2014-15

Which are the professional pathologies for the bovine reproductive technicians? 2014-15

Immunomodulator in bovine production/reproduction. 2017-2019

### PAPERS IF

Ultrasonography in Bovine Reproduction. **Giovanni Gnemmi**. Japanese Journal of Clinical Veterinary Medicine. Vol.24, N°2/2006: 29-32 (in Japanese) Ultrasonography of the Bovine Female Genital Tract.

Luc Des Coteaux, **Giovanni Gnemmi**, Jill Colloton. Veterinary Clinics of North America: Food Animal Practice Vol 25/2009 pag. 733-752

Ultrasound Imaging of the Bull Reproductive Tract: An Important Field of Expertise for

Veterinarians. **Giovanni Gnemmi**, Rej C.Lefebvre. Veterinary Clinics of North America: Food Animal Practice Vol 25/2009 pag. 767-77

Place de l'échographie du taureau en pratique. **Giovanni Gnemmi**. Point Veterinaire 2007; 275: 51-4 (in French)

L'anaestros nella bovina: diagnosi e terapia. **Giovanni Gnemmi**, Cristina Maraboli. Rivista di Medicina Veterinaria, vol.46, n°1, 2012: 21-26 (in Italiano)

L'anaestros nella bovina: fisiopatologia di un evento multifattoriale. **Giovanni Gnemmi**, Cristina Maraboli. Rivista di Medicina Veterinaria, vo.46, n°1, 2012: 17-20 (in Italiano)

Utilizzo del Dispositivo Intravaginale a Lento Rilascio di Progesterone nella Terapia dell'Anaestros Tipo I, II, III: Prova in Campo . **Giovanni Gnemmi**, Cristina Maraboli. Rivista di Medicina Veterinaria. 2013, Vol. 49, N°2:43-47 (in Italiano)

Repeat Breeding Syndrome and Embryo Therapy. **Giovanni Gnemmi**, Elisa Ferrari, Cristina Maraboli. Reproduction in Domestic Animals 2014 49 (Suppl. 3), 37-101

Dairy cattle subclinical uterine disease diagnosis using pattern recognition and image processing technique. Tailanian M., Lecumberry F., Fernandez A., Meckle A., **Gnemmi G**. PROGRESS IN PATTERN RECOGNITION IMAGE ANALYSIS, COMPUTER VISION, AND APPLICATIONS, CIARP 2014

**Book Series:** Lecture Notes in Computer Science **Volume:** 8827 **Pages:** 690-697 **Published:** 2014

Il costo del complesso Ritenzione di Placenta-Metrite-Endometrite. **Giovanni Gnemmi**, Cristina Maraboli. Rivista di Medicina Veterinaria. 2016

Fetal sex prevalence. ESDAR 2018. Gnemmi, G., Maraboli, C., Escartín N., Muñoz, I., Echegaray, A.

New echotexture parameters to evaluate the testicular parenchyma in bulls. AETE. Gnemmi, S. Marcantonio, G., Maraboli, C., Escartín N., Muñoz, I., Echegaray, A.

New echotexture parameters to evaluate the testicular parenchyma in bulls. BSAS. Gnemmi, S. Marcantonio, G., Maraboli, C., Escartín N., Muñoz, I., Echegaray, A.

#### **PAPERS WITHOUT IF**

Author of more than 100 articles in veterinary magazines in Italy, France, Poland, Middle East, Japan, Ireland, Argentina, Uruguay, Chile.

#### **PAPER IN NATIONAL/INTERNATIONAL CONGRESS**

WBC XXI, 2000 Uruguay. **Giovanni Gnemmi**. Fetal sex determination

WBC XXI, 2000 Uruguay. **Giovanni Gnemmi**. Early ultrasonography pregnancy diagnosis

WBC XXI, 2000 Uruguay. **Giovanni Gnemmi**, Gigi Guarneri, Antonio Patelli, Fabio Acocella. Use of an ultrasound microbubble contrast medium. First experience in patency determination of the oviduct

WBC XXII, 2002 Germany. **Giovanni Gnemmi**. The use of heteroplastic membranes in umbilical pathologies of the calf (poster). Ultrasonography in buiatric gynaecology: economic evaluations

WBC XXIII, 2004 Canada. **Giovanni Gnemmi**. Use of ultrasonography for evaluation of bovine teat lesion

Ultrasonografía en el manejo de la reproducción Bovina. **Giovanni Gnemmi**. IV Congreso Internacional de Médicos Veterinarios Zootecnistas Especialistas en Bovinos de la Comarca Lagunera. 4-6/11/2004. Torreon, Coahuila Mexico

Manejo del PostParto en la vaca Lechera **Giovanni Gnemmi**. IV Congreso Internacional de Médicos Veterinarios Zootecnistas Especialistas en Bovinos de la Comarca Lagunera. 4-6/11/2004. Torreon, Coahuila Mexico

Comparison of Bulk Somatic Cells Count, After Changes in Management Style and Intramammary Infection Control Program. **Giovanni Gnemmi et al.** Poster EAAP 54<sup>th</sup> Annual Meeting. Rome 2004

Ultrasonografia en el manejo de la reproduccion en el Bovino. **Giovanni Gnemmi.** XXXII Jornadas Uruguayas de Buiatria. Paysandu, Uruguay 9-11/06/2005

Uterus Pathologies: Ultrasound Evaluation. **Giovanni Gnemmi.**38<sup>th</sup> Annual Conference AABP Salt Lake City, Utah2005

WBC XXIV, 2006 France. **Giovanni Gnemmi.** Ultrasonography in the evaluation of bull reproduction

Ovaries Pathologies: Ultrasound Evaluation. **Giovanni Gnemmi.**39<sup>th</sup> Annual Conference AABP Sain Paul, Minnesota2006

Diagnostico Ecografico de Patologias Ovaricas y Uterinas en Vacas Lecheras. Terceras Jornadas Taurus de Reproduccion Bovina.**Giovanni Gnemmi.** 14-15/09/2006. Pilar Argentina

Utilidad Practica del Diagnostico Ecografico en Bovinos. **Giovanni Gnemmi.** VIII Jornadas Chilena de Buiatria. 14-16/11/2006 Frutillar Chile

Ultrasonografia nella Gestione Riproduttiva della Vacca da Latte. **Giovanni Gnemmi.** Congresso Internazionale SIVAR Cremona 2002

Evaluation of Bovine Teat Lesion in Mountain Italian Dairy Herd. **Giovanni Gnemmi et al.** Poster National Mastitis Council, Charlotte 2004

Ultrasonography in Bovine Reproduction. **Giovanni Gnemmi.** 40th Annual Conference AABP Vancouver, British Columbia 2007

Ultrasonografia en el Manejo Reproductivo Moderno. **Giovanni Gnemmi.** Villa Maria Argentina 20-21/11/2008

Ultrasonography in Bovine Reproduction. **Giovanni Gnemmi.** 41th Annual Conference AABP Charlotte, North Carolina, 2008



Wykorzystanie USG w rozrodzie bydla. **Giovanni Gnemmi**. XIII Miedzynarodowa Sesja Naukowa. Polanica 26-27/06/2009

Ultrasonografia I cialko zolte. **Giovanni Gnemmi**. XIII Miedzynarodowa Sesja Naukowa. Polanica 26-27/06/2009

Advances en Reproduccion Bovina. **Giovanni Gnemmi**. Jornada Cooprinsem 05/05/2009

Ultrasonografia en el manejo del la reproduction en el Ganado bovino. **Giovanni Gnemmi**. Seminario Internacional Ultrasonografia Bovina 25/07/2009, Bogotà, Agroexpo 2009

La Gestione Riproduttiva nel Bovino da Latte: Come Gestire il Puerperio. **Giovanni Gnemmi**, Arturo Ruggeri. XI Congresso Internazionale SIVAR Cremona 2009.

Ecografia en Ginecologia Bovina: Como Mejorar las Tasas de Conception. **Giovanni Gnemmi**. XVI Congreso Internacional ANEMBE De Medicina Bovina Avila 11-13/06/11

Ecografia en Ginecologia Bovina: Examen Inutil o Recurso Indispensabile. **Giovanni Gnemmi**. XVI Congreso Internacional ANEMBE De Medicina Bovina Avila 11-13/06/11

Ecografia de Ubre y De Los Pezones. **Giovanni Gnemmi**. XVI Congreso Internacional ANEMBE De Medicina Bovina Avila 11-13/06/11

Later Embryo Death: Ultrasound **Diagnosis**. **Giovanni Gnemmi**. I Congresso Internazionale di Rirproduzione Bovina. )-10/09/2011 Palazzolo dello Stella (UD) Italy

Ultrasonography in Male Reproduction. **Giovanni Gnemmi**. 43 th Annual Conference AABP Albuquerque NM, 2010

Impacto de la Ultrasonografia en el manejo de Rodeo. **Giovanni Gnemmi**. II Jornada Internacinal Cientifico-Tecnica de Reproduccion Bovina. Huesca 21/11/2012

First Conference about Endometritis in Cows, Horses and Small Animals. **Giovanni Gnemmi**, Elisa Ferrari, Cristina Maraboli. Gdansk, Poland 2013

Diagnosis de Endometritis Subclinica. **Giovanni Gnemmi**, Elisa Ferrari, Cristina Maraboli. XI Congreso Chileno Buiatria. Osorno 21-23/11/13

El Anestro en el bovino. **Giovanni Gnemmi**, Elisa Ferrari, Cristina Maraboli. XI Congreso Chileno Buiatria. Osorno 21-23/11/13

La Chirurgia nel Bovino. Approccio in Campo vs Approccio in Ospedale: Due Filosofie a Confronto. **Giovanni Gnemmi**, Andre Desrochers. XV Congresso Internazionale SIVAR Cremona 2013.

Enfermedades Uterinas en la Vaca Lechera: Un Tema Controvertido. **Giovanni Gnemmi**. XIX Congreso Internacional ANEMBE de Medina Bovina . Oviedo 25-27/06/14

Ultrasonografia y Embryo Transfer. **Giovanni Gnemmi**. III Jornada Internacinal Cientifico-Tecnica de Reproduccion Bovina. Huesca 26/11/2014

Ultrasonography in Bovine Reproduction. **Giovanni Gnemmi**. VIII Congresso da OMV, III Encontro de Formacao, 30/11/2013-01/12/2013. Lisboa Portugal

Ultrasonography in Bovine Reproduction. **Giovanni Gnemmi**. IX Congresso da OMV IV Encontro de Formacao, 29-30/11/2014 Lisboa Portugal

La Diagnosi Precoce di Non Gravidanza/Gravidanza. **Giovanni Gnemmi**. XXXII Congresso Nazionale Società Italiana Buiatria Stresa 5-7/05/2000 (in Italiano)

Streptococcus Agalactie: Prevenzioen Farmacologica nelle manze. **Giovanni Gnemmi**. XXXII Congresso Nazionale Società Italiana Buiatria Stresa 5-7/05/2000 (in Italiano)

Il Sessaggio Fetale. **Giovanni Gnemmi**. XXXII Congresso Nazionale Società Italiana Buiatria Stresa 5-7/05/2000 (in Italiano)

Nocardia asteroides Mastitis: Epidemiology, Histology and Ultrasonography of Clinical Cases. **Giovanni Gnemmi et al**. XXVI Congresso Nazionale Società Italiana Buiatria. Vicenza 2004

La Gestione del PostParto. **Giovanni Gnemmi**. XLIV Congresso Nazionale Società Italiana Buiatria. Piacenza 19-21/04/12

Ultrasonografia in Riproduzione Bovina. **Giovanni Gnemmi**. XV Congresso Nazionale Società Italiana Embryo Transfer , Mantello VALTELLINA, 2006

Diagnosi Ultrasonografica di Endometrite Subclinica. **Giovanni Gnemmi**. XVII Congresso Nazionale Società Italiana Embryo Transfer , Gardone 2008

Programmi di Sincronizzazione nella Bovina da Latte. **Giovanni Gnemmi**. XVIII Congresso Nazionale Società Italiana Embryo Transfer, RIMINI 2009

L'Anaestro nella bovina da latte e da carne. **Giovanni Gnemmi**. XXIII Congresso Nazionale Società Italiana Embryo Transfer Lazise VERONA 2014

L'endometrite Subclinica: diagnosi e terapia. **Giovanni Gnemmi**, Elisa Ferrari, Cristina Maraboli. XXIII Congresso Nazionale Società Italiana Embryo Transfer Lazise VERONA 2014 (in Italiano)

#### **BOOKS AND CHAPTERS OF BOOKS**

Atlas of Ultrasound in Bovine Reproduction. **Giovanni Gnemmi**. La Point Veteinaire Italie, 2004

Guide pratique d'échographie pour la reproduction des ruminants. Luc Des Coteaux, **Giovanni Gnemmi**, Jill Colloton. MED'COM, 2009

Practical Atlas of Ruminant and Camelid reproductive Ultrasonography. Luc Des Coteaux, **Giovanni Gnemmi**, Jill Colloton. Wiley-BlackWell. 201

Gestione Clinica della Riproduzione Bovina. **Giovanni Gnemmi** (Cap.4-5-6). Point Veterinaire Italie 2013

#### **CONGRESS PARTECIPATION & SCIENTIFIC MEETING**

Invited speaker in more than 200 international/inational conferences and scientific meetings

#### **LONG DISTANCE EDUCATION (WEBINAR)**

2012-2014: 25 webinar for Fatro Ibérica-ANEMBE

Early No- Pregnancy/Pregnancy diagnosis. **Giovanni Gnemmi**. WEBINAR ECBHM, 2012

Manejo Reproductivo de las Enfermedades Reproductivas del Macho. **Giovanni Gnemmi**. Curso On Line de Reproduccion Bovina ANEMBE 2014

Ultrasonografia General. **Giovanni Gnemmi**. Curso On Line de Reproduccion Bovina ANEMBE 2014

Ultrasonografia del Ovario. **Giovanni Gnemmi**. Curso On Line de Reproduccion Bovina ANEMBE 2014

Ultrasonografia del Utero. **Giovanni Gnemmi**. Curso On Line de Reproduccion Bovina ANEMBE 2014

Follicular dynamic and hormonal control in cycling cows. **Giovanni Gnemmi**. WEBINAR ECBHM, 2015

Our profession is death or it is simply sleeping?. **Giovanni Gnemmi**, C.Maraboli WEBINAR Fatro, 2016

The dependencies in the profession. **Giovanni Gnemmi**, C.Maraboli WEBINAR Fatro, 2016

Marketing & Profession. **Giovanni Gnemmi**, C.Maraboli WEBINAR Fatro, 2016

## **OTHERS ACTIVITIES**

1998-2008: Veterinarian responsible during the Internacional Dairy Expo Cremona

Coordinator and lecturer in the course of bovine reproductive ultrasound, XXV WBC Budapest 2008.

Coordinator and lecturer in the seminar "Ruminant Ultrasonography: State of the Art". of bovine reproductive ultrasound, XXVI WBC Santiago Chile 2010.

Responsible udder ultrasound controll during the European Championship Holstein. Freiburg 2013

Responsible udder ultrasound controll during the German Championship Holstein. Brema 2013

Responsible udder ultrasound controll during the Switzerland Championship Holstein. Bull 2014

Responsible udder ultrasound controll during the German Championship Holstein. Brema 2015

Responsible udder ultrasound controll during the European Championship Holstein. Bull 2016

Responsible udder ultrasound controll during the European Championship Holstein. Colmar 2016

Responsible udder ultrasound controll during the German Championship Holstein. Brema 2017

Coordinador del blog: [www.ruminantultrasonography.com](http://www.ruminantultrasonography.com)

## **MEMBERSHIP OF SCIENTIFIC INSTITUTIONS**

FNOVI. Italian Veterinary Association, Member

SIET. Italian Society for Embryo Transfer, Secretary

Dairy Cattle Reproduction Council. Member since 2016