

Free Light Chain Kits

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Articles, Posters and Presentations

Bence Jones Proteinuria : experimentation of a new immunoturbidimetric method to determine Free Light Chains in non concentrated urines

Biochimica Clinica, 12, 1988, p.: 1451-1457

Abate L., Martelli M., Zannini R.

original title: Proteinuria di Bence Jones: sperimentazione di un nuovo metodo immunoturbidimetrico per la determinazione delle Catene Leggere Libere nelle urine non concentrate

comments: First article which reports the study of the functionality of the method for determining FLCs by liquid-phase immunoprecipitation as a screening test in the study of Bence Jones proteinuria.

Immunoturbidimetric-Immunonephelometric Method for the determination of Free Light Chains in Urine

Meeting SIBioC/Proteine – Asti 17-19 October 1989

Massaro L.

New Scientific Company - Cormano (Milano)

original title: Metodo Immunoturbidimetrico-Immunonefelometrico per la Determinazione delle Catene Leggere Libere nelle Urine

comments: Exhibition of the presentation of the method at the congress on proteins held by the SIBioC (Italian Society of Clinical Biochemistry) in 1989.

Use of the test-tube precipitation test for urinary immunoglobulins or their fragments present in monoclonal gammopathies

Biochimica Clinica, 13, 1989, p.: 1237-1240

Migliorati T.

original title: Uso della prova di Precipitazione in Provetta per Immunoglobuline Urinarie o loro frammenti presenti in Gammopatie Monoclonali

comments: Another article which studies the functionality of the method for determining FLCs as screening in the study of Bence Jones proteinuria.

Letter to F. Aguzzi

L'Angolo dell'Elettroforesi - Biochimica Clinica, 14, 1990, p.: 70-72

Massaro L.

New Scientific Company – Cormano (Milano)

original title: Lettera a F. Aguzzi

comments: Letter from L. Massaro to F. Aguzzi, coordinator of the protein section in the magazine of the SIBioC, in reply to his comments on the aforementioned article by Abate L., Martelli M. and Zannini R.

AL Amyloidosis or AH Amyloidosis ?

Biochimica Clinica, 14, 1990, p.: 471-472

Alecci A., Brandini A.

original title: Amiloidosi AL o Amiloidosi AH ?

comments: A case is reported in which the method for determining FLCs by liquid-phase immunoprecipitation, in this case in serum, is used to characterise the type of amyloidosis from which the patient suffered.

Proposal of a working model for research into Bence Jones Proteinuria

Poster - Proteins ecc - Padova, 16-17 May 1991

Martelli M., Zannini R.

original title: -

comments: Poster presented at the 1991 congress of the SIBioC, showing the results obtained with the use of the method for determining the FLCs, automated in an APS nephelometer, as screening in the study of BJPs.

Qualitative and Quantitative Research of Bence Jones Proteins

Gior. It. Chim. Clin., 16, 6, 1991, p.: 403-407

Valenti D., Lenzi MC., Mammmini P.

original title: Ricerca qualitativa e quantitativa delle Proteine di Bence Jones

comments: Another article in which the application of the method for determining FLCs in the study of the BJPs is discussed.

“Pseudo-oligoclonal” Free Light Chains in urine: Reflections resulting from recent works - Letter to F. Aguzzi

L'Angolo dell'Elettroforesi - Biochimica Clinica, 16, 1992, p.: 1213-1215

Massaro L.

New Scientific Company – Cormano (Milano)

original title: Catene Leggere Libere "pseudo-oligoclonali" in urine: Riflessioni indotte da recenti lavori - Lettera a F. Aguzzi

comments: Letter from L. Massaro to F. Aguzzi, coordinator of the protein section in the magazine of the SIBioC, which sets forth theoretical reflections on a subject of wide discussion at the time, the origin or cause of the electrophoretic pattern known as *ladders*.

Utility of dosing Kappa and Lambda Light Chains via Nephelometry

Poster – XII Congreso SEQC - Murcia, 29-31 October 1993

Alsina M., Soler M., Vidal J., Pérez E.

Laboratori Immunología – Hospital Mutua de Terrassa – Terrassa (Barcelona)

original title: Utilidad de la dosificación de las Cadenas Ligeras Kappa y Lambda por Nefelometría

comments: Poster presented at the 1993 SEQC congress (Spanish Society of Clinical Chemistry) reporting the results obtained using the method to determine FLCs as Screening in the study of BJPs.

Assessment of Free Light Chain nephelometric quantification as Screening for Bence Jones Proteinuria

Poster – XIII Congreso SEQC - Salamanca, 13-15 October 1994

Martinez-Bru C., Planella T., Cortés M., González-Sastre F.

Laboratori Bioquímica – Hospital de la Santa Creu i Sant Pau – Barcelona

original title: Evaluación de la cuantificación nefelométrica de Cadenas Ligeras Libres como Screening de Proteinuria de Bence Jones

comments: Another Poster, presented at the 1994 SEQC congress, reporting the results obtained using the method to determine FLCs as Screening in the study of BJPs.

Multicentric Evaluation of Methods and Protocols for Free Light Chains and Bence Jones Proteins in urine – First Results

Biochimica Clinica, 19, 1995, p.: 410-425

Milanesi MG. et altri

Commissione InterRegionale “Forlì” su “Proteine di Bence Jones e Catene Leggere Libere”

original title: Valutazione Multicentrica di Metodi e Protocolli per le Catene Leggere Libere e Proteine di Bence Jones in urine - Primi Risultati

comments: This article reports the results obtained by the “Forlì” Study Group in their first multicentric studies on methods and protocols usually used to study Bence Jones proteinuria.

A new ImmunoNephelometric method for Free Light Chains assay in the Cerebrospinal Fluid of neurological patients: preliminary results

European Charcot Foundation

Symposium “Body fluid markers for course and activity of disease in Multiple Sclerosis”

Madrid, 2–4 October 1997

Procaccianti G., Cucci A., Scaringi R. Massaro L.

original title: -

comments: Communication presented at the 1997 European Charcot Foundation congress, reporting the results obtained using the method to determine FLCs in cerebrospinal fluid in different neurological affections, particularly in Multiple Sclerosis.

Free Light Chains and Bence Jones Proteins - Revision

I Edition: I Reunione su "Catene Leggere Libere e Proteine di Bence Jones", Forlì, 28 may 1993

II Edition: XIV Curs de Bioquímica Clínica, Barcelona, 23-26 november 1994

III Edition: V Reunione su "Catene Leggere Libere e Proteine di Bence Jones", Forlì, 26 may 1995

IV Edition: Incontro "Proteine Urinarie - Clinica e Diagnostica", Pessaro, 23 june 1999

V Edition: Corso CEFAR "Le Proteine: dal Laboratorio alla Clinica", Desenzano, 13-15 october 1999

Massaro L., Scaringi R.

New Scientific Company – Cormano (Milano)

original title: Catene Leggere Libere e Proteine di Bence Jones - Review

comments: Complete revision of the argument on the determination of Free Light Chains and Bence Jones proteins, with special emphasis on their physiopathology, theoretical aspects and problems of their determination and revision of available methods.
It includes a large bibliographical list.

Multicentric Evaluation of Routine Commercial Methods to detect Bence Jones Proteins in urine

Meeting SIBioC – CEFAR

"Le Proteine: dal Laboratorio alla Clinica"

VIII edition – Desenzano, 1999

Gruppi di studio "Forlì" e "Liguria" su "Proteine di Bence Jones e Catene Leggere Libere"

presented by: Tizzanini W. (Laboratorio Analisi – Azienda Policlinico – Modena)

original title: Valutazione Multicentrica di Metodi commerciali di routine per la ricerca delle Proteine di Bence Jones nelle urine

comments: Presentation of results obtained by the Study Groups "Forlì" and "Liguria", in their studies on methods normally used in the study of BJP, at the joint Meeting of the SIBioC and CEFAR Course on proteins. Further information on the results obtained by the Study Groups in their experiments can be found on the page referring to BJP Study Groups in www.newscientific.com.

Multicentric Evaluation of routine commercial methods to detect Bence Jones Proteins in urine

Meeting SIBioC – CEFAR

"Le Proteine: dal Laboratorio alla Clinica"

IX edizione – Fiuggi, 2000

Gruppi di studio "Forlì" e "Liguria" su "Proteine di Bence Jones e Catene Leggere Libere"

presented by: Tizzanini W. (Laboratorio Analisi – Azienda Policlinico – Modena)

original title: Valutazione Multicentrica di Metodi commerciali di routine per la ricerca delle Proteine di Bence Jones nelle urine

comments: Presentation of the results obtained by the Study Groups "Forlì" and "Liguria", in their studies on methods normally used in the study of BJP, at the joint Meeting of SIBioC and the CEFAR Course on proteins. Further information on the results obtained by the Study Groups in their experiments can be found on the page referring to BJP Study Groups in www.newscientific.com.

Evaluation and Presentation of laboratory Results in Patients suspected of a monoclonal Gammopathy: The value of free light Chains in Bence Jones Testing (Abstract)

Meeting SIBioC – CEFAR

"Proteins: from the Laboratory to the Clinic"

X edition – Castrocaro, 2001

Regeniter A.(a), Siede WH.(b)

(a) Presenting Author: Central Laboratory – Kantonsspital Basel

(b) Author for correspondence: Central Laboratory – Klinikum Lippe-Lembgo – Lembgo

E-mail: Werner.Siede@klinikum-lippe.de

original title: -

comments: Reports the study of the Free Kappa/Free Lambda index functionality as a screening method in the study of Bence Jones proteinuria, proposing for patients suspected of monoclonal gammopathy, the presentation of laboratory results in a single computerized report including preliminary visit data

Immunonephelometric Determination of the Free Light Chains of Immunoglobulins in Urine to Detect the Bence Jones Proteins and Comparison with Immunofixation

Meeting SIBioC – CEFAR

"Proteins: from the Laboratory to the Clinic"

X edition – Castrocaro, 2001

Quinzanini M.

Servizio di Reumatologia Immunologia ed Allergologia – Azienda Ospedaliera "Spedali Civili" - Brescia

original title: Determinazione ImmunoNefelometrica delle catene leggere libere delle Immunoglobuline nelle urine per la ricerca delle Proteine di Bence Jones e confronto con l'Immunofissazione

comments: Reports the study of nephelometric FLC determination functionality as a Screening method in the study of Bence Jones proteinuria, making an exhaustive comparison with Immunofixation taken as a reference method.
It includes a complete study of the nephelometric method performances and characteristics for FLC determination

Multicentric Evaluation of Routine Commercial Methods to Detect Bence Jones Proteins in Urine – Results 2001

Meeting SIBioC – CEFAR

"Proteins: from the Laboratory to the Clinic"

X edition – Castrocaro, 2001

Gruppi di studio su "Catene Leggere Libere e Proteine di Bence Jones": Forlì, Liguria, Lazio, Toscana-Umbria presented by: Tizzanini W. (Laboratorio Analisi – Azienda Policlinico – Modena)

original title: Valutazione Multicentrica di Metodi commerciali di routine per la ricerca delle Proteine di Bence Jones in urine – Risultati 2001

comments: Joint presentation of results obtained by the different Italian Study Groups in their studies on the methods usually used in the study of BJP.
Further information, on the results obtained by the Study Groups in their experiments, can be found on the page referring to the BJP Study Groups in www.newscientific.com.

Detection of Bence Jones Proteins – A Contribution of the Genoese Galliera Hospital Archives

Meeting SIBioC – CEFAR

"Proteins: from the Laboratory to the Clinic"

X edition – Castrocaro, 2001

Burlando L.

Già Laboratorio Analisi – Ospedale Galliera - Genova

original title: Ricerca delle Proteine di Bence Jones - Un contributo dall'archivio degli Ospedali Galliera di Genova

comments: Via a retrospective study of the hospital archives, the convenience/need to use anti Free Light Chains antisera in urinary Immunofixation is revised and discussed.

Monoclonal and Polyclonal Immunoglobulin Free Light Chains (FLC) detection in urine

Meeting SIBioC – CEFAR

"Proteins: from the Laboratory to the Clinic"

X edition – Castrocaro, 2001

Viedma JA.

Hospital General y Universitario – Elche (Alicante)

original title: -

comments: Study of the capacity of different methods to detect monoclonal and polyclonal FLCs in urine.

Proteinuria – Diagnostics and Interpretation with Marker Proteins: Computerising Processing and report ("MDI-LabLink")

Meeting SIBioC – CEFAR

"Proteins: from the Laboratory to the Clinic"

X edition – Castrocaro, 2001

Siede WH.(a), Regeniter A.(b)

(a) Presenting Author: Central Laboratory – Klinikum Lippe-Lembgo – Lembgo

(b) Author for correspondence: Central Laboratory – Kantonsspital Basel

E-mail: aregeniter@uhbs.ch

original title: -

comments: Explanation and revision of the concept on the use of specific protein markers in the study of proteinuria and presentation of the Software "MDI-LabLink" enabling its computerization

Usefulness of Determining Free Light Chains in Urine via Nephelometry for the Study of Bence Jones Proteinuria

Poster – XXI Congreso SEQC - Gijón, 9-11 october 2002

Iglesias N., García-Vitoria M., Hernández M., Galimany R., Rodrigo MJ.

Laboratoris Clinics – Hospital Vall d'Hebrón - Barcelona

original title: Utilidad de la Determinación de Cadenas Ligeras Libres en Orina por Nefelometría para el Estudio de la Proteinuria de Bence Jones

comments: Study of the effectiveness of using the FLC nephelometric measurement as Screening method to detect Bence Jones proteinuria.

Evaluation of an ImmunoFixation Electrophoresis selective method for Bence Jones Proteinuria Identification

15th European Congress of Clinical Chemistry and Laboratory Medicine

22nd National Congress of the Spanish Society of Clinical Biochemistry and Molecular Pathology (SEQC)

EUROMEDLAB – Barcelona 2003

Quiñones-Torrelo C., Del Valle-Pérez R., González-Ovelar M., Jarabo-Bueno MM., Díaz-Ruiz M.,

Montagud-Palau A., González-Monleón L., Marco-López P.

Sección de Inmunoquímica – Departamento de Análisis Clínicos – Hospital Universitari “Dr. Peset” - Valencia

original title: -

comments: Study of the Immunofixation method sensitivity used in the study of BJP in various groups of patients classified according their FLC concentration nephelometrically measured.

ImmunoNephelometric Determination of Free Light Chains in Urine as Screening for the Detection of Bence Jones Proteinuria

15th European Congress of Clinical Chemistry and Laboratory Medicine

22nd National Congress of the Spanish Society of Clinical Biochemistry and Molecular Pathology (SEQC)

EUROMEDLAB – Barcelona 2003

García-Vitoria M., Cortina A., Iglesias N., Hernández M., García-Guantes, E., Besalú C.,

Galimany R., Rodrigo MJ.

Laboratoris Clinics – Hospital Vall d'Hebrón - Barcelona

original title: -

comments: Study of the effectiveness of using the nephelometric measurement of FLC as a Screening method to detect the Bence Jones proteinuria.

ImmunoNephelometric Determination of Free Light Chains of Immunoglobulins in Urine for the Detection of Bence Jones Proteins, and Comparison with Immunofixation

15th European Congress of Clinical Chemistry and Laboratory Medicine

22nd National Congress of the Spanish Society of Clinical Biochemistry and Molecular Pathology (SEQC)

EUROMEDLAB – Barcelona 2003

Quinzanini M.

Servizio di Reumatologia Immunologia ed Allergologia – Azienda Ospedaliera “Spedali Civili” - Brescia

original title: -

comments: Reports the study on the functionality of the FLC nephelometric determination as a Screening method in the study of Bence Jones proteinuria making an exhaustive comparison with the Immunofixation taken as the reference method.

To highlight the focus novelty, centered on improving the quality of the process and final result obtained (in the study of Bence Jones proteinuria) provided by the use of nephelometry as a Screening method

Immunonephelometric Determination of Immunoglobulin Free Light Chains in Urine

Analisis Clínicos 2003;28(1):7-14

Jiménez, M.; Preciado, E.; Mateo, G.; Rodríguez, M. M.; García-Valdecasas, I.

Laboratorio de Bioquímica - Hospital Txagorritxu – Vitoria

original title: Determinación Inmunonefelométrica de Cadenas Ligeras Libres de Inmunoglobulinas en Orina

comments: Assessment of the Free Light Chain measurement nephelometric method performances and evaluation of its use as screening method in the study of the Bence Jones proteinuria.

"BJP and FLC" Study Group Recommendations

Recommendations for the Bence Jones Proteinuria Evaluation

Forli, 16 June 2000

Gruppo di Studio Inter-Regionale "Forli" su "Proteine di Bence Jones e Catene Leggere Libere"

original title: **Raccomandazioni per la Valutazione della Proteinuria di Bence Jones**

comments: Draft of the recommendations made by the "Forli" group as a result of the experiments carried out since it was established in 1993.

It specifies the minimum performance levels of each method to be used in the study of BJPs.

Considerations for the Bence Jones Protein and Free Light Chain Evaluation

Genova, 22 June 2000

*Gruppo di Studio congiunto SiBioC – AIPAC – SIMEL, Sezioni Liguri,
su "Proteine di Bence Jones e Catene Leggere Libere"*

original title: **Considerazioni per la Valutazione di Proteine di Bence Jones e Catene Leggere Libere**

comments: Recommendations made by the "Liguria" group as a result of its experiments, placing particular emphasis on a series of considerations to be taken into account when reporting results.

NSC Proposals

Operative Protocol for the BJP Study Proposal

Portas S.

New Scientific Company España – Barcelona

original title: Propuesta de Protocolo Operativo para el estudio de las BJP

comments: Proposal of operative protocol based on the use of liquid-phase immunoprecipitation (nephelometry or turbidimetry) as a first-level test, indicative of the presence of free light chains (FLCs), followed up by immunofixation as a confirmation test, to determine whether or not the FLCs present are monoclonal, i.e. Bence Jones (BJP).

Immunofixation (IFE) of urine for Bence Jones Proteins detection, Mini Atlas of Schematic Pattern

Massaro L.

New Scientific Company – Cormano (Milano)

original title: -

comments: Revision of the typical urinary immunofixation patterns found in the BJP study.

Patents

Method for determining the presence of free light chains in urine samples, complex of preparations for performance of the method and related reagent

Ministero dell'Industria del Commercio e dell'Artigianato

D.G.P.I – Ufficio Centrale Brevetti - 1990

Massaro L.

New Scientific Company – Cormano (Milano)

original title: Metodo per la determinazione della presenza di catene leggere libere in campioni di urina, complesso di preparati per l'esecuzione del metodo, e relativo reagente

comments: Registered Italian patent of the method, reagents and kits for the determination of FLC

Method for the determination of the presence of free light chains in urine The Commissioner of Patents and Trademarks – 1992

Massaro L.

New Scientific Company – Cormano (Milano)

original title: -

comments: USA patent of the method for the determination of FLC

Method for determining the presence of free light chains in urine samples, complex of preparations for performance of the method and related reagent

Europäisches Patentamt - European Patent Office - Office européen des brevets - 1993

Massaro L.

New Scientific Company – Cormano (Milano)

original title: -

comments: European patent specification of the method, reagents and kits for the determination of FLC