

# XI NATIONAL MEETING OF THE MEXICAN ASSOCIATION OF HEPATOLOGY

June 22-25, 2016. Boca del Río, Veracruz, Mexico

## I. MOLECULAR AND CELLULAR BIOLOGY

### 01 CORRELATION OF CHEMOKINES AND METALLOPROTEINASES WITH FIBROSIS DEGREE IN CHRONIC HEPATITIS C PATIENTS

FLORES-VASCONCELOS I,\* ROSIQUE ORAMAS D,\* MEDINA  
ÁVILA Z,\* SANTOYO A,\* ARELLANO N,\* CORDERO P,\*\* MUÑOZ  
L,\*\*

SÁNCHEZ JF,\*\* KERSHENOBICH D,\*\* GUTIÉRREZ-REYES G\*  
\* HIPAM LAB, UNIT OF EXPERIMENTAL MEDICINE, SCHOOL OF MEDICINE,  
UNA.

\*\* UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN. \*\*\*INSTITUTO NACIONAL DE  
CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN.

### 02 REFLECTANCE SPECTROSCOPY MAY REPRESENT A COMPLEMENTARY TOOL TO LIVER BIOPSY FOR STAGING FIBROSIS: A PROOF OF CONCEPT

CRUZ-AVILÉS E, MANJARRÉZ-REYNA A,  
MENDOZA-VÁZQUEZ M, GUTIÉRREZ-REYES G,  
LÓPEZ-VANCELL MD, DURÁN-PADILLA MA, ESCOBEDO G  
LABORATORIO DE HÍGADO, PÁNCREAS Y MOTILIDAD, UNIDAD DE  
INVESTIGACIÓN EN MEDICINA EXPERIMENTAL, FACULTAD DE MEDICINA,  
UNAM, HOSPITAL GENERAL DE MÉXICO.

### 03 CONNECTIVE TISSUE GROWTH FACTOR PEPTIDE LEVELS DURING LIVER FIBROSIS IN RAT

ARÉVALO-SÁNCHEZ TA,\* MORENO-GONZÁLEZ J,\*  
RAMÍREZ-MENDOZA A,\* ROMERO-BELLO I,\*  
KERSHENOBICH D,\*\* GUTIÉRREZ-REYES G,\* GUZMÁN C\*  
\* LABORATORIO DE HÍGADO, PÁNCREAS Y MOTILIDAD, UNIDAD DE  
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NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN,  
CIUDAD DE MÉXICO, MÉXICO.

### 04 HISTOLOGIC CHANGES IN THE LIVER ASSOCIATED TO OBESOGENIC DIET AND CHRONIC ALCOHOL INTAKE IN MICE

RAMÍREZ-MENDOZA A,\* GALICIA-MORENO M,\*  
AREVALO-SANCHEZ T,\* ÁVILA-MEDINA Z,\*  
MORENO-GONZÁLES J,\* PÉREZ-GÓMEZ A,\*  
RODRÍGUEZ-ORIHUELA DL,\* ROMERO-BELLO II,\*  
ROSIQUE-ORAMAS D,\* VEGA-GALAVIZ D,\* PÉREZ-TORRES A,\*\*  
ESCOBEDO G,\* GUZMÁN C,\* GUTIÉRREZ-REYES G\*  
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MÉXICO.

\*\* FACULTAD DE MEDICINA, UNAM, CIUDAD DE MÉXICO, MÉXICO.

## II. CIRRHOSIS AND ITS COMPLICATIONS

### 01 ADIPOSIITY EXCESS, SKELETAL MUSCLE MASS DEPLETION AND THEIR CORRELATION WITH BODY MASS INDEX IN LIVER CIRRHOSIS

GASCA-PONCE M, DOMÍNGUEZ-WAKIDA A,  
CUEVAS-AGUIRRE A, GÓMEZ-REYES E, LÓPEZ-MÉNDEZ E  
DEPARTAMENTO DE GASTROENTEROLOGÍA, HIPERTENSIÓN PORTAL Y  
CIRROSIS HEPÁTICA. INSTITUTO NACIONAL DE CIENCIAS MÉDICAS Y  
NUTRICIÓN SALVADOR ZUBIRÁN. CIUDAD DE MÉXICO, MÉXICO.

### 02 DECOMPENSATION'S CAUSES REQUIRING HOSPITAL ADMISSION OF PATIENTS WITH CIRRHOSIS HEPATIC, EXPERIENCE IN THE HJM

LARGACHA-BARREIRO ML, ZAMARRIPA-DORSEY F,  
MEJÍA-LOZA SCH, JUÁREZ-BARRIENTOS TE,  
ESPINOZA-DELGADO DM, HERRERO-MACEDA MR  
DEPARTMENT OF GASTROENTEROLOGY; HOSPITAL JUÁREZ DE MÉXICO.  
MEXICO CITY, MEXICO.

### 03 PREDICTING SHORT-TERM MORTALITY IN PATIENTS WITH ACUTE ON CHRONIC LIVER FAILURE USING HYPONATREMIA WITH CLIF-SOFA SCORE

MORALES-VILLALOBOS R,\* CASTILLO-BARRADAS M\*\*  
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ANTONIO FRAGA MOURET". MEXICO CITY, MEXICO.

### 04 NON-WILSONIAN HEPATOLENTICULAR DEGENERATION AS A SIGN OF HEPATIC CIRRHOSIS

TRUJILLO-DE LA FUENTE KC,\* RAMÍREZ-POLO A,\*\*  
LÓPEZ-ESPARZA J,\*\* HERNÁNDEZ-VILLEGAS A,  
GARCÍA-JUÁREZ I,\*\* SÁNCHEZ-ÁVILA F\*\*  
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NACIONAL DE NUTRICIÓN Y CIENCIAS MÉDICAS SALVADOR ZUBIRÁN.  
MEXICO CITY, MEXICO.

### 05 DECOMPENSATED LIVER DISEASE; ALERT FOR FINDING MINIMAL HEPATIC ENCEPHALOPATHY (MHE)

NUÑEZ-FLORIANO M, RIZO-ROBLES MTG,  
CASTILLO-BARRADAS M, VARGAS-ÁNGELES R  
CENTRO MÉDICO NACIONAL LA RAZA, IMSS, MEXICO CITY, MEXICO.  
DEPARTMENT OF GASTROENTEROLOGY, HEPATOLOGY UNIT.

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# DETERMINATION OF LIVER AND SPLEEN STIFFNESS BY ELASTOGRAPHY (FIBROSCAN) IN PORTAL HYPERTENSION WITHOUT CIRRHOSIS (PORTAL VEIN THROMBOSIS/BUDD-CHIARI SYNDROME) THEIR CORRELATION AND DEPENDENCE WITH ESOPHAGEAL VARICES

DOMÍNGUEZ-WAKIDA A, GASCA-PONCE M, GÁLVEZ-CALVO E, MIGUEL-CRUZ A, LÓPEZ-MÉNDEZ E.  
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07

# GASTROINTESTINAL BLEEDING VARICEAL: BE PERFORMED WITH DIAGNOSTIC LABORATORY STUDIES?

AVILÉS-GONZÁLEZ A, JUÁREZ-BARRIENTOS T, ÁVILA-LANGARICA M, BARRAGÁN-VALAREZO M, RAMÍREZ-ESCOBAR S, ZAMARRIPA-DORSEY F  
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# NATURAL HISTORY OF CIRRHOSIS AND ASSOCIATION WITH NUTRITIONAL STATUS IN MEXICAN POPULATION

JUÁREZ-HERNÁNDEZ E, GÓMEZ-GUTIÉRREZ C, BALDERAS-GARCÉS B, ALTAMIRANO-BARRERA A, VALDIVIA-CORREA B, RODRÍGUEZ-GALVÁN A, ALVA-LÓPEZ F, URIBE M, CHÁVEZ-TAPIA NC  
TRANSLATIONAL RESEARCH UNIT. OBESITY AND DIGESTIVE DISEASES UNIT. RADIOLOGY UNIT. MEDICA SUR CLINIC & FOUNDATION. MEXICO CITY, MEXICO.

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# INDISCRIMINATE USE OF PROTON-PUMP INHIBITORS IN CIRRHOTIC PATIENTS AS RISK FACTOR ASSOCIATED WITH A GREATER FREQUENCY OF BACTERIAL INFECTIONS

LÁZARO-PACHECO IB,\* SERVÍN-CAAMAÑO AI,\*\* HIGUERA DE LA TIJERA F\*  
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# PROTEIN-CALORIE MALNUTRITION NEGATIVELY IMPACTS ON THE QUALITY OF LIFE OF PATIENTS WITH CIRRHOSIS

ROJAS-LOUREIRO G,\* PÉREZ-REYES E,\* SERVÍN-CAAMAÑO AI,\*\* HIGUERA-DE LA TIJERA F\*  
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# ASSOCIATION BETWEEN NUTRITIONAL STATUS AND QUALITY OF LIFE IN PATIENTS WITH CIRRHOSIS

JUÁREZ-HERNÁNDEZ E, GÓMEZ-GUTIÉRREZ C, BALDERAS-GARCÉS B, ALVA-LÓPEZ F, URIBE M, CHÁVEZ-TAPIA NC  
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# OBESITY AS A FACTOR OF LIVER CIRRHOSIS POOR PROGNOSIS

ÁVILA-LANGARICA MA., BARRAGÁN-VALAREZO MA., RAMÍREZ-ESCOBAR S, GONZÁLEZ-ANGULO A, ZAMARRIPA-DORSEY F  
HOSPITAL JUÁREZ DE MÉXICO, CIUDAD DE MÉXICO, MÉXICO.

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# EFFECT OF THE COMBINATION OF CARVEDILOL AND SIMVASTATIN IN PORTAL PRESSURE GRADIENT IN PATIENTS WITH CIRRHOSIS AFTER VARICEAL BLEEDING (SECONDARY PROPHYLAXIS)

DOMÍNGUEZ-WAKIDA A, GASCA-PONCE M, MIGUEL-CRUZ A, SÁNCHEZ-ÁVILA F, CASANOVA-SÁNCHEZ I, MOCTEZUMA-VELÁZQUEZ C, LÓPEZ-MÉNDEZ E  
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# COMPARISON BETWEEN LACTULOSE, L-ORNITHINE L-ASPARTATE, OR RIFAXIMIN, VS. PLACEBO, AS PRIMARY PROPHYLAXIS TO AVOID THE DEVELOPMENT OF HEPATIC ENCEPHALOPATHY AFTER VARICEAL BLEEDING IN CIRRHOTIC PATIENTS

HIGUERA-DE LA TIJERA F,\* SERVÍN-CAAMAÑO AI,\*\* ABDO-FRANCIS JM,\* SALAS-GORDILLO F,\* PÉREZ-HERNÁNDEZ JL,\*  
CAMACHO-AGUILERA J,\*\* JIMÉNEZ-PONCE F\*\*\*  
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# LIVER CIRRHOSIS DECOMPENSATION ACCORDING TO ALBI SCORE

RAMÍREZ-ESCOBAR SC, ÁVILA-LANGARICA MC, BARRAGÁN-VALAREZO MA, GONZÁLEZ-ANGULO A, ZAMARRIPA-DORSEY F  
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# RADIOFREQUENCY ABLATION TREATMENT OF GASTRIC ANTRAL VASCULAR ECTASIA (GAVE) IN PATIENTS WITH LIVER CIRRHOSIS. REPORT OF TWO CASES

MIRELES-ÁLVAREZ CA,\* BETANCOURT-SÁNCHEZ F,\* HERNÁNDEZ-JAIME M,\* MEDINA-MEDRANO MA,\* LANGLE CASTRO H,\* MALÉ-VELÁZQUEZ R\*  
\*INSTITUTO DE SALUD DIGESTIVA Y HEPÁTICA (INSTITUTE OF HEPATIC AND DIGESTIVE HEALTH), GUADALAJARA, JALISCO, MÉXICO.

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# NON-SELECTIVE BETABLOCKERS AS AN INDEPENDENT RISK FACTOR FOR DEVELOPMENT OF SPONTANEOUS BACTERIAL PERITONITIS WITH DECOMPENSATED LIVER CIRRHOSIS

AMADOR GARCÍA R, BARRADAS CASTILLO M.  
CLINICAL GASTROENTEROLOGY SPECIALIST AT HOSPITAL "ANTONIO FRAGA MOURET", CENTRO MÉDICO NACIONAL LA RAZA. MEXICO CITY, MEXICO.

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# STREPTOCOCCUS SALIVARIUS AS CAUSE OF SPONTANEOUS BACTERIAL PERITONITIS. CASE REPORT

RIVERA FLORES AG, MEJÍA S, GARCÍA E, ZAMARRIPA F  
HOSPITAL JUÁREZ DE MÉXICO. MEXICO CITY, MEXICO.

### III. AUTOIMMUNE AND CHRONIC CHOLESTATIC DISEASES

01

#### BONE DISEASE IN PRIMARY BILIARY DISEASE

HERRERO-MACEDA MR, ERAZO-TAPIA E, JUÁREZ-BARRIENTOS TE, ESPINOZA DELGADO DM, LARGACHA-BARREIRO ML, AVILÉS-GONZÁLEZ AG, MEJÍA-LOZA SMI  
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02

#### HGF INDUCES A PROTECTIVE EFFECT IN A MOUSE MODEL OF CHOLESTASIS

SALAS-SILVA S,\* SIMONI-NIEVES A,\* BELLO-MONROY O,\* GÓMEZ-QUIROZ LE,\* MÉNDEZ-SÁNCHEZ N,\*\* ROMA M,\*\*\* GUTIÉRREZ-RUIZ MC\*  
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### IV. VIRAL HEPATITIS

01

#### ANALYSIS OF DIFFERENTIAL PROTEOMIC PROFILES EXPRESSION WITH GALLIC ACID IN HUH7 CELLS INFECTED WITH HEPATITIS C VIRUS

GOVEA-SALAS M,\* RIVAS-ESTILLA AM,\*\* LOZANO-SEPÚLVEDA SA,\*\* SALAS-VILLALOBOS TB,\*\* AGUILAR-GONZÁLEZ CN,\* RODRÍGUEZ-HERRERA R,\* BELMARES-CERDA RE,\* MORLETT-CHÁVEZ JA\*  
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02

#### S-ADENOSYLMETHIONINE (SAM) DECREASES HEPATITIS C VIRUS (HCV) REPLICATION BY MODULATING UBIQUITINATION AND PROTEASOME ACTIVITY

LOZANO-SEPÚLVEDA SA,\* LOPITZ-OTSOA F,\*\* VARELA-REY M,\*\* MARTÍNEZ-CHANTAR ML,\*\* MATO JM,\*\* RIVAS-ESTILLA AM\*  
\* DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR MEDICINE, SCHOOL OF MEDICINE, UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN, MONTERREY, NUEVO LEÓN, MÉXICO. \*\* METABOLOMIC UNIT, CIC BIOGUNE, BIZKAIA SCIENCE AND TECHNOLOGY PARK, BIZKAIA, SPAIN.

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#### NEGATIVE REGULATION OF HEPATITIS C VIRUS BY HEPATOCYTE GROWTH FACTOR IN HUH-7 CELLS

BAUTISTA-OSORIO E, LOZANO-SEPÚLVEDA S, MERINO-MASCORRO JA, SALAS-VILLALOBOS T, RIVAS-ESTILLA AM  
DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR MEDICINE, UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN, MONTERREY, NUEVO LEÓN, MÉXICO.

04

#### QUANTIFICATION OF CONNECTIVE TISSUE GROWTH FACTOR DURING RAT LIVER FIBROSIS REVERSION

ARÉVALO-SÁNCHEZ TA,\* MORENO-GONZÁLEZ J,\* RAMÍREZ-MENDOZA A,\* ROMERO-BELLO I,\* KERSHENOBICH D,\*\* GUTIÉRREZ-REYES G,\* GUZMÁN C\*  
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05

#### CHRONIC HEPATITIS C TREATMENT WITH DIRECT ANTIVIRAL AGENTS IN A REAL LIFE SETTING

CHIRINO-SPRUNG RA,\* DEHESA-VIOLANTE M,† WOLPERT-BARRAZA E,‡ CORONA-LAU C,§ GARCÍA-JUAREZ I,|| SÁNCHEZ-ÁVILA F,|| MOCTEZUMA-VELÁZQUEZ C,|| KERSHENOBICH-STALNIKOWITZ D||  
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06

#### EXPERIENCE A YEAR OF TREATMENT IN PATIENTS WITH CHRONIC INFECTION FOR HEPATITIS C VIRUS IN HOSPITAL GENERAL DE MÉXICO

CÓRDOBA-REYES JM, HIGUERA-DE LA TIJERA F, SARABIA-ALDANA C, PÉREZ-HERNÁNDEZ JL  
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07

#### HIGH EFFICACY (SVR) IN REAL LIFE OF DDA INTERFERON FREE ANTIVIRAL REGIMEN IN MEXICAN PATIENTS WITH CHRONIC HEPATITIS C

MALÉ-VELÁZQUEZ R, MIRELES-ÁLVAREZ CA, HERNÁNDEZ-JAIME M, MEDINA-MEDRANO MA, COLUNGA-LOZANO LE, DE LA TORRE GONZÁLEZ P, LANGLE CASTRO H, BETANCOURT-SÁNCHEZ F  
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#### IS THERE LIVER FIBROSIS REGRESSION AFTER INTERFERON FREE ANTIVIRAL REGIMEN TREATMENT FOR HEPATITIS C VIRUS? RESULTS TRANSIENT ELASTOGRAPHY PRE AND POST-TREATMENT

BETANCOURT-SÁNCHEZ F,\* MIRELES-ÁLVAREZ CA,\* HERNÁNDEZ-JAIME M,\* MEDINA-MEDRANO MA,\* DE LA TORRE GONZÁLEZ P,\* LANGLE CASTRO H,\* COLUNGA-LOZANO LE,\* MALÉ-VELÁZQUEZ R\*  
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#### HEPATITIS E VIRUS IN PATIENTS WITH HCV OR HBV. CROSS-SECTIONAL STUDY

MÉNDEZ-SÁNCHEZ N,\* TRUEBA GÓMEZ R,\*\* ROSENFELD MANN F,\*\* NOFFAL NUÑO V,\*\*\* ROQUE ÁLVAREZ E,\*\* URIBE M,\* BAPTISTA-GONZÁLEZ H\*\*  
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**V. PEDIATRIC HEPATOLOGY****01****CLINICAL FEATURES IN CHILDREN WITH AUTOIMMUNE HEPATITIS**

OGAZ-CAMPOS AC, FLORES-CALDERÓN J, LEDESMA-RAMÍREZ S, GONZÁLEZ-ORTIZ B  
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**02****EXPERIENCE OF MOLECULAR ADSORBENT RECIRCULATING SYSTEM IN FULMINANT HEPATIC FAILURE IN CHILDRENS**

ARTEAGA-Y-HERNÁNDEZ-MAGRO M, MIRANDA-BARBACHANO K, MONROY-TENIZA Z, MOLINA-PETO A, AGRAZ-ORTIZ D, FLORES-CALDERÓN J  
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**VI. ALCOHOLIC LIVER DISEASE - FATTY LIVER****01****EVALUATION OF CYTOKINES LEVELS IN SUBJECTS WITH DIFFERENT PATTERN OF ALCOHOL CONSUMPTION**

MEDINA-ÁVILA Z,\* ROSIQUE ORAMAS D,\* GALICIA MORENO M,\* BÉJAR Y,\*\* HIGUERA F,\*\* PÉREZ-HERNÁNDEZ JL,\*\* KERSHENOBICH D,\* GUTIÉRREZ-REYES G\*  
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**02****TLR-4 EXPRESSION IN MONOCYTES PERIPHERAL BLOOD OF ALCOHOLICS AND ALCOHOLIC CIRRHOTIC PATIENTS**

ROSIQUE ORAMAS D,\* MEDINA ÁVILA Z,\* GALICIA MORENO M,\* ARELLANO N,\* SANTOYO A,\* HERNÁNDEZ-RUIZ J,\* PÉREZ HERNÁNDEZ JL,\*\* HIGUERA DE LA TIJERA F,\*\* KERSHENOBICH D,\* GUTIÉRREZ-REYES G\*  
*\*HIPAM LAB, EXPERIMENTAL MEDICINE UNIT, SCHOOL OF MEDICINE, UNAM. \*LIVER CLINIC, HOSPITAL GENERAL DE MÉXICO. MEXICO CITY, MEXICO.*

**03****PROGNOSTIC MODELS IN PATIENTS WITH ALCOHOLIC HEPATITIS**

ENRÍQUEZ-COVARRUBIAS P,\* SERVÍN-CAAMAÑO AI,\*\* CÓRDOBA REYES JM,\* PÉREZ-HERNÁNDEZ JL,\* HIGUERA-DE LA TIJERA F\*  
*\*DEPARTMENT OF GASTROENTEROLOGY, \*\*DEPARTMENT OF INTERNAL MEDICINE, HOSPITAL GENERAL DE MÉXICO "DR. EDUARDO LICEAGA", MEXICO CITY, MEXICO.*

**04****MAIN CAUSES OF HOSPITAL RE-ENTRY FOR ALCOHOL LIVER PATIENTS IN JALISCO**

CASAL-SÁNCHEZ J,\* VELARDE RUIZ-VELASCO JA,\* ÁLVAREZ-LÓPEZ F,\* MUÑOZ-CORTÉS J,\* PINEDO-GÓMEZ J,\*\* BERGENS A,\*\*\* SUDER-CASTRO LS,\* OLIVARES-GUZMÁN LO,\* CERVANTES GUEVARA G,\* SEGURA ORTEGA JE\*  
*\*DEPARTAMENTO DE GASTROENTEROLOGÍA, HOSPITAL CIVIL DE GUADALAJARA "FRAY. A ALCALDE", JALISCO, MÉXICO. \*\*DEPARTAMENTO DE GASTROENTEROLOGÍA, HOSPITAL CIVIL DE GUADALAJARA "DR. JUAN I. MENCHACA", JALISCO, MÉXICO. \*\*\*CHARITY SCHOOL OF NURSING, NEW ORLEANS, LOUISIANA, UNITED STATES.*

**05****HISTOLOGIC CHANGES IN THE LIVER ASSOCIATED TO OBESOGENIC DIET AND CHRONIC ALCOHOL INTAKE IN MICE**

RAMÍREZ-MENDOZA A,\* GALICIA-MORENO M,\* ARÉVALO-SÁNCHEZ T,\* ÁVILA-MEDINA Z,\* MORENO-GONZÁLES J,\* PÉREZ-GÓMEZ A,\* RODRÍGUEZ-ORIHUELA DL,\* ROMERO-BELLO II,\* ROSIQUE-ORAMAS DOROTHY,\* VEGA-GALAVIZ D,\* PÉREZ-TORRES A,\*\* ESCOBEDO G,\* GUZMÁN C,\* GUTIÉRREZ-REYES G\*  
*\*LABORATORIO DE HÍGADO, PÁNCREAS Y MOTILIDAD, UNIDAD DE MEDICINA EXPERIMENTAL, FACULTAD DE MEDICINA, UNAM / HOSPITAL GENERAL DE MÉXICO, CIUDAD DE MÉXICO, MÉXICO. \*\*FACULTAD DE MEDICINA, UNAM. MEXICO CITY, MEXICO.*

**06****HEPATIC STEATOSIS PRODUCED BY DOUBLE INSULT (DIET AND ALCOHOL): EXPERIMENTAL MODEL**

LEÓN MANCILLA B, GALICIA-MORENO M, ROSIQUE-ORAMAS D, MEDINA-ÁVILA Z, VELASCO K, ARÉVALO-SÁNCHEZ T, RAMÍREZ-MENDOZA A, MORENO-GONZÁLES J, ROMERO-BELLO I, HERNÁNDEZ J, ESCOBEDO G, GUZMÁN C, GUTIÉRREZ-REYES G  
*HIPAM LAB, UNIT OF EXPERIMENTAL MEDICINE, SCHOOL OF MEDICINE, UNAM. MEXICO CITY, MEXICO.*

**07****UTILITY OF NON-INVASIVE METHODS TO DIAGNOSE ADVANCED FIBROSIS IN NON-ALCOHOLIC FATTY LIVER DISEASE. A RANDOMIZED CLINICAL CONTROLLED TRIAL OF 1,213 PATIENTS**

SÁNCHEZ-JIMÉNEZ BA,\* LÓPEZ-GIL S,\* JUÁREZ-HERNÁNDEZ E,\* RAMOS-OSTOS MH,\*\* PÉREZ-JAUREGUÍ J,\*\*\* URIBE M,\* CHÁVEZ-TAPIA NC\*  
*\*UNIDAD DE INVESTIGACIÓN TRASLACIONAL, FUNDACIÓN CLÍNICA MÉDICA SUR. \*\*CENTRO INTEGRAL DE DIAGNÓSTICO Y TRATAMIENTO, FUNDACIÓN CLÍNICA MÉDICA SUR. \*\*\*LABORATORIO DE PATOLOGÍA CLÍNICA, FUNDACIÓN CLÍNICA MÉDICA SUR, CIUDAD DE MÉXICO, MÉXICO.*

**08****PREVALENCE OF NONALCOHOLIC FATTY LIVER DISEASE AND INSULIN RESISTANCE IN PEDIATRIC PATIENTS WITH OVERWEIGHT AND OBESITY**

VERDEJA-PADILLA PA,\* MEJÍA L,\*\* MEDINA-ÁVILA Z,\* ARELLANO N,\* CRUZ-BAUTISTA R,\*\* SUÁREZ L,\*\* ROSIQUE-ORAMAS D,\* GALICIA-MORENO M,\* CORDERO P,\*\*\* MUÑOZ L,\*\*\* GUTIÉRREZ-REYES G\*  
*\*HIPAM LAB, EXPERIMENTAL MEDICINE UNIT, SCHOOL OF MEDICINE, UNAM. HOSPITAL GENERAL DE MÉXICO. \*\*CHILDREN HOSPITAL OF IZTAPALAPA, SEDESA. GDF. \*\*\*UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN. MEXICO.*



**09**  
**SYSTEMIC LEVELS OF IL-4 DECREASE ACCORDING TO THE SEVERITY OF NON-ALCOHOLIC FATTY LIVER DISEASE IN OBESE PATIENTS**

MENDOZA-VÁZQUEZ M, CRUZ-AVILÉS E, MANJARREZ-REYNA A, GUTIÉRREZ-REYES G, ESCOBEDO G  
LABORATORIO DE HÍGADO, PÁNCREAS Y MOTILIDAD, UNIDAD DE INVESTIGACIÓN EN MEDICINA EXPERIMENTAL, FACULTAD DE MEDICINA, UNAM, HOSPITAL GENERAL DE MÉXICO. MEXICO CITY, MEXICO.

**10**  
**SEVERITY OF NON-ALCOHOLIC FATTY LIVER DISEASE ASSOCIATES WITH HIGH SERUM LEVELS OF INTERLEUKIN 1 BETA IN OBESE PATIENTS**

MANJARREZ-REYNA A, CRUZ-AVILÉS E, MENDOZA-VÁZQUEZ M, GUTIÉRREZ-REYES G, ESCOBEDO G\*  
\* LABORATORIO DE HÍGADO, PÁNCREAS Y MOTILIDAD, UNIDAD DE INVESTIGACIÓN EN MEDICINA EXPERIMENTAL, FACULTAD DE MEDICINA, UNAM, HOSPITAL GENERAL DE MÉXICO. MEXICO CITY, MEXICO.

**11**  
**RELATIONSHIP BETWEEN TIME OF DIAGNOSIS AND PRESENCE OF LIVER DAMAGE IN DIABETES MELLITUS 2 PATIENTS FROM DIABETIMSS CLINIC, HGZMF NO. 1**

CONTRERAS-OMAÑA R,\* URIBE-TORRES Y,\* TÉLLEZ-JAÉN S\*\*  
\* FAMILY MEDICINE, HGZMF NO. 1 IMSS HIDALGO, MÉXICO. \*\* MEDICINE SCHOOL OF UAH, PACHUCA, HIDALGO, MÉXICO.

**12**  
**CORRELATION BETWEEN THE DYSGLYCEMIC STATE AND THE RISK OF SIGNIFICANT LIVER FIBROSIS**

SARABIA-ALDANA CA,\* CALLE-RODAS DA,\*\* SERVÍN-CAAMAÑO AI,\*\* VANEGAS-HERRERA JA,\*\* CRUZ-ESTRADA A,\* CAMACHO-AGUILERA J,\*\* CÓRDOBA-REYES JM,\* HIGUERA-DE LA TIJERA F\*  
\*GASTROENTEROLOGY DEPARTMENT, \*\*INTERNAL MEDICINE DEPARTMENT, \*\*\*EX-COORDINATION FROM OBESITY AND DIABETES CLINIC, \*\*\*\*DIRECTION OF EDUCATION AND HEALTH TRAINING. HOSPITAL GENERAL DE MÉXICO "DR. EDUARDO LICEAGA", MEXICO CITY, MÉXICO.

**13**  
**SEVERITY OF NON-ALCOHOLIC FATTY LIVER DISEASE AND METABOLIC RISK PHENOTYPE IN OBESE PATIENTS**

SUÁREZ-CUENCA JA,\* MELCHOR-LÓPEZ A,\* ORTIZ-FERNÁNDEZ M,\*\* DE-LA-ROSA GA,\* VEGA-ROJAS NB,\* GERMÁN-BARRAZA AE\*  
\*LABORATORIO DE METABOLISMO EXPERIMENTAL E INVESTIGACIÓN CLÍNICA, DIVISIÓN DE INVESTIGACIÓN. \*\*SERVICIO DE CIRUGÍA BARIÁTRICA, DEPARTAMENTO DE CIRUGÍA. CENTRO MÉDICO NACIONAL 20 DE NOVIEMBRE, ISSSTE, CIUDAD DE MÉXICO, MÉXICO.

**14**  
**ASSOCIATION OF HEMOGLOBIN SERUM LEVELS IN NON ALCOHOLIC FATTY LIVER DISEASE**

NUÑO-LÁMBARRI N, JUÁREZ-HERNÁNDEZ E, SÁNCHEZ-JIMÉNEZ B, LÓPEZ-GIL S, BARBERO-BECERRA V, URIBE-RAMOS MH, RAMOS-OSTOS MH, URIBE M, CHÁVEZ-TAPIA NC  
TRANSLATIONAL RESEARCH UNIT, DIAGNOSIS AND TREATMENT UNIT, OBESITY AND DIGESTIVE DISEASES UNIT. MEDICA SUR CLINIC & FOUNDATION. MEXICO CITY, MEXICO.

**15**  
**CORRELATION BETWEEN BODY MASS INDEX AND LIVER DAMAGE IN CHILDREN POPULATION WITH OBESITY AT THE HGZMF NO. 1 IMSS HIDALGO**

CONTRERAS-OMAÑA R,\* MUÑOZ-PINEDA MA,\*\* TÉLLEZ-JAÉN S\*\*\*  
\*RESEARCH IN GASTROENTEROLOGY AND LIVER DISEASES HGZM NO. 1, IMSS HIDALGO, MÉXICO. \*\*FAMILY MEDICINE, HGZMF NO. 1, IMSS HIDALGO, MÉXICO. \*\*\*MEDICINE SCHOOL OF UAH, PACHUCA, HIDALGO, MÉXICO.

**16**  
**PEDIATRIC VISCERAL ADIPOSITY INDEX ADAPTATION CORRELATES WITH HOMA-IR, MATSUDA AND TRANSAMINASES**

GARCÉS MJ,\* KLÜNDER-KLÜNDER M,\*\* GARIBAY-NIETO N,\* LÓPEZ-ALVARENGA JC,\*\* QUISPE-SICCHA R,\* KERSHENOBICH D,\*\* HERNÁNDEZ-RUIZ J\*  
\*HIPAM, UME, UNAM / UIDT / CHILDHOOD OBESITY CLINIC; HOSPITAL GENERAL DE MEXICO "DR. EDUARDO LICEAGA", MEXICO CITY. \*\* COMMUNITY HEALTH RESEARCH DEPARTMENT, HOSPITAL INFANTIL DE MÉXICO "FEDERICO GÓMEZ", MEXICO CITY. \*\*\* UNIVERSITY OF TEXAS RIO GRANDE VALLEY. \*\*\*\*GENERAL DIRECTION, INCMNSZ, MEXICO CITY.

**17**  
**IMPROVEMENT OF THE METABOLIC PROFILE AND LIVER FUNCTION TESTS IN OBESE PATIENTS AFTER BARIATRIC SURGERY**

HIGUERA-DE LA TIJERA F,\* CALLE-RODAS DA,\*\* VANEGAS-HERRERA JA,\*\* CRUZ-ESTRADA A,\*\* CAMACHO-AGUILERA J,\*\* SERVÍN-CAAMAÑO AI,\*\*  
\*GASTROENTEROLOGY DEPARTMENT, \*\* INTERNAL MEDICINE DEPARTMENT, \*\*\*EX-COORDINATION FROM OBESITY AND DIABETES CLINIC, \*\*\*\*DIRECTION OF EDUCATION AND HEALTH TRAINING. HOSPITAL GENERAL DE MÉXICO "DR. EDUARDO LICEAGA", MEXICO CITY, MÉXICO.

## VII. OTHER TOPICS

**01**  
**ANALYSIS OF THE SCATTERING IN THE DEGREE OF LIVER FIBROSIS IN A CCl<sub>4</sub> INDUCED MURINE MODEL**

PÉREZ-GARCÍA A\*, SÁNCHEZ-MELECIO J\*, SILVA-AGUILERA FS\*, ALEMÁN-GARCÍA N\*\*, GARCÍA-CADENA C\*\*, DURÁN-PADILLA M\*\*\*, GUTIÉRREZ-HERRERA E\*\*\*, KERSHENOBICH D\*\*\*\*, SÁNCHEZ-PÉREZ C\*\*, HERNÁNDEZ-RUIZ J.,\*\*\*\*\*  
\*HIPAM, EXPERIMENTAL MEDICINE UNIT, UNAM, HOSPITAL GENERAL DE MEXICO "DR. EDUARDO LICEAGA". \*\*CCADET, UNAM. \*\*\*R&D UNIT, CCADET, UNAM, HOSPITAL GENERAL DE MEXICO "DR. EDUARDO LICEAGA". \*\*\*\* PATHOLOGY DEPARTMENT, HOSPITAL GENERAL DE MÉXICO "DR. EDUARDO LICEAGA". \*\*\*\*\*DIRECTOR, INSTITUTO NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN "SALVADOR ZUBIRÁN". \*\*\*\*\*DEPARTMENT OF RESEARCH IN CLINICAL PHARMACOLOGY. HOSPITAL GENERAL DE MEXICO "DR. EDUARDO LICEAGA"

**02**  
**IT IS POSSIBLE TO APPLY BAVENO VI TO SUSPECTED COMPENSATED CIRRHOSIS ON MEXICAN POPULATION?**

BARRAGÁN VALAREZO MA., ÁVILA LANGARICA MA., RAMÍREZ ESCOBAR S, GONZÁLEZ ANGULO A, ZAMARRIPA DORSEY F  
GASTROENTEROLOGY DEPARTMENT, HOSPITAL JUÁREZ DE MÉXICO, MEXICO CITY, MEXICO.

### 03 LIVER FUNCTION TESTS AND CHIKUNGUNYA VIRUS INFECTION IN PATIENTS FROM THE RECENT OUTBREAK IN MEXICO, 2015

SALAS-VILLOBOS TB,\* GALÁN-HUERTA KA,\*  
RIVAS-ESTILLA AM,\* SOSA-CABALLERO S,\*\*  
FERNÁNDEZ-SALAS I,\*\*\* RAMOS-JIMÉNEZ J\*

\*FACULTAD DE MEDICINA, UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN, MONTERREY, NUEVO LEÓN, MÉXICO. \*\*CLÍNICA HOSPITAL "DR. ROBERTO NETTEL FLORES", TAPACHULA, CHIAPAS, MÉXICO. \*\*\*CENTRO REGIONAL DE INVESTIGACIÓN EN SALUD PÚBLICA INSP, TAPACHULA, CHIAPAS, MÉXICO.

### 04 COLONIC VARICES AS A COMPLICATION OF PRE-HEPATIC PORTAL HYPERTENSION DUE TO ACUTE PANCREATITIS AND PORTO-SPLENO THROMBOSIS

RÁBAGO-ESCOTO R,\* GÁLVEZ-MARTÍNEZ M,\*  
HIGUERA-DE LA TIJERA F\*

\*GASTROENTEROLOGY DEPARTMENT, HOSPITAL GENERAL DE MÉXICO "DR. EDUARDO LICEAGA", MEXICO CITY, MEXICO.

### 05 ANTHROPOMETRIC, BIOCHEMICAL, CLINICAL AND DIETETIC INDICATORS RELATED TO THE RISK OF MALNUTRITION IN HOSPITALIZED PATIENTS WITH LIVER CIRRHOSIS. TWEAKING SCREENING TOOLS

DÁVILA-BONILLA S, GUTIÉRREZ-MARTÍNEZ G,  
ROMÁN-CUEVAS LM, MARTÍNEZ-VÁZQUEZ SE

DEPARTAMENTO DE GASTROENTEROLOGÍA, INSTITUTO NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN, CIUDAD DE MÉXICO, MÉXICO.

### 06 ANTHROPOMETRIC AND BIOCHEMICAL CHARACTERISTICS OF PATIENTS WITH LIVER CIRRHOSIS BY HEPATITIS C VIRUS (HCV) ACCORDING TO GENOTYPE. AN EXPLORATORY STUDY

RODRÍGUEZ-VÁZQUEZ IC, MOCTEZUMA-VELÁZQUEZ C,  
GUTIÉRREZ-ZAMORA NAVARRO M, DE LA ROSA-DIEZ SG,  
MARTÍNEZ-VÁZQUEZ S

DEPARTMENT OF GASTROENTEROLOGY, INSTITUTO NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN, CIUDAD DE MÉXICO, MÉXICO.

### 07 DETECTION OF WINDOW PERIOD HEPATITIS C AND OCCULT HEPATITIS B INFECTIONS IN BLOOD DONORS FROM VERACRUZ

LÓPEZ-BALDERAS N,\* BRAVO-SARMIENTO E,\*\*  
HERNÁNDEZ-ROMANO P\*\*

\*LABORATORIO DE GENÉTICA Y BIOLOGÍA MOLECULAR, HOSPITAL REGIONAL DE ALTA ESPECIALIDAD DE VERACRUZ, VERACRUZ, VERACRUZ, MÉXICO. \*\*LABORATORIO DE BIOLOGÍA MOLECULAR, CENTRO ESTATAL DE LA TRANSFUSIÓN SANGUÍNEA DE VERACRUZ, BOCA DEL RÍO, VERACRUZ, MÉXICO.

### 08 EPIDEMIOLOGY OF INFECTION BY HEPATITIS C VIRUS IN THE GASTROENTEROLOGY SERVICE, ISSSTE TLAXCALA

PEÑA-DÁZ P\*, PILIADO-PAEZ H\*, AGUILAR- RAMÍREZ JR\*\*

\*HOSPITAL GENERAL ISSSTE TLAXCALA, TLAXCALA.  
\*\* PRIVATE PRACTICE MEXICO CITY.

### 09 IDIOPATHIC NON CIRRHOTIC PORTAL HYPERTENSION. A CASE REPORT

RODRÍGUEZ PÉREZ PA, ARCE AYALA JA, MARTÍNEZ LÓPEZ H,  
ORDAZ GARCÍA A, GARRIDO SÁNCHEZ GA,  
PÉREZ RODRÍGUEZ JA, REBOLLO HURTADO V,  
AGUILAR RAMÍREZ JR, CERDA REYES E  
GASTROENTEROLOGY DEPARTMENT, RADIOLOGY AND INVASIVE RADIOLOGY AND PATHOLOGY. MILITARY HOSPITAL, MEXICO CITY, MEXICO.

### 10 PREVALENCE OF POLYMORPHISM RS738,904 PNPLA-3 [I148M] IN MEXICAN POPULATION AND ITS RELATIONSHIP WITH BODY MASS INDEX (BMI)

MEDINA-MARTÍNEZ D,\* VELÁZQUEZ-GONZÁLEZ A,\*\*

GARCÍA-JUÁREZ I,\* CASTRO-NARRO GE,\*

SÁNCHEZ-ÁVILA JF,\* SIXTOS-ALONSO MS\*

\*DEPARTAMENTO DE GASTROENTEROLOGÍA, \*\*BANCO DE SANGRE, INSTITUTO NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN, CIUDAD DE MÉXICO, MÉXICO.

### 11 PRETREATMENT SCORING MODEL (PRET-SM) AS A PREDICTOR OF SUSTAINED VIROLOGICAL RESPONSE (SVR) IN PATIENTS WITH CHRONIC INFECTION OF HEPATITIS C VIRUS (HCV) GENOTYPE 1

GARCÍA-GARCÍA F, CASTILLO BARRADAS M

DEPARTAMENTO DE GASTROENTEROLOGÍA, HOSPITAL DE ESPECIALIDADES CMN LA RAZA, CIUDAD DE MÉXICO.

### 12 FREQUENCY OF DIETARY SODIUM RESTRICTION IN AMBULATORY CIRRHOTIC PATIENTS

LÓPEZ-SÁNCHEZ M,\* TAPIA-SOTO Y,\* CORTEZ-ZURITA C,\*

RIVERA-FLORES R,\* MINA-HAWAT A,\* ORTIZ-OLVERA N,\*\*

MORENO-ALCÁNTARA R,\*\* MORÁN-VILLOTA S\*

\*LABORATORIO DE INVESTIGACIÓN EN GASTRO-HEPATOLOGÍA, HOSPITAL DE PEDIATRÍA. \*\*SERVICIOS DE GASTROENTEROLOGÍA. CMN SIGLO XXI, IMSS. CIUDAD DE MÉXICO, MÉXICO.

### 13 SCREENING TOOLS AND ITS CORRELATION WITH OBJECTIVE ASSESSMENT OF NUTRITIONAL STATUS IN PATIENTS WITH LIVER CIRRHOSIS

ROMÁN-CUEVAS LM, GUTIÉRREZ-MARTÍNEZ G,

DÁVILA-BONILLA S, MARTÍNEZ-VÁZQUEZ SE

DEPARTAMENTO DE GASTROENTEROLOGÍA; INSTITUTO NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN, CIUDAD DE MÉXICO, MÉXICO.

## VIII. TRANSPLANT

### 01 HCV GENOTYPES AROUND THE ORTHOTOPIC LIVER TRANSPLANTATION AND POLYMORPHISM Q80K

JOANICO-AGUILAR R, LÓPEZ-MÉNDEZ YI, LEÓN-PÉREZ S,  
GARCÍA-GARCÍA C, SIXTOS-ALONSO S, PINEDA-DE-PAZ MR,  
LEAL-VILLALPANDO PR, CONTRERAS-SALDÍVAR AG,

VILATOBÁ-CHAPA M, CASTRO-NARRO GE

DEPARTAMENTO DE GASTROENTEROLOGÍA-TRASPLANTE, INSTITUTO NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN, CIUDAD DE MÉXICO, MÉXICO.

## 02 PREVALENCE OF HEPATOPULMONARY SYNDROME AND HEPATOPULMONARY IN PATIENTS VALUED FOR LIVER TRANSPLANT, GRAVITY AND ITS CLINICAL SIGNIFICANCE

JOANICO-AGUILAR R, LÓPEZ-MÉNDEZ YI, GASCA-PONCE MC,  
LEÓN-PÉREZ S, GARCÍA-GARCÍA C, SIXTOS-ALONSO S,  
PINEDA-DE-PAZ MR, LEAL-VILLALPANDO PR,  
CONTRERAS-SALDÍVAR AG, VILATOBÁ-CHAPA M,  
CASTRO-NARRO GE  
DEPARTAMENTO DE GASTROENTEROLOGÍA-TRASPLANTE. INSTITUTO  
NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN,  
CIUDAD DE MÉXICO, MÉXICO.

## 03 LYSOSOMAL ACID LIPASE DEFICIENCY IN PATIENTS SENT TO VALUATION OF LIVER TRANSPLANT, A STUDY OF CASE AND CONTROLS

JOANICO-AGUILAR R, LÓPEZ-MÉNDEZ YI, LEÓN-PÉREZ S,  
GARCÍA-GARCÍA C, SIXTOS-ALONSO S, PINEDA-DE-PAZ MR,  
CASTRO-NARRO GE  
DEPARTAMENTO DE GASTROENTEROLOGÍA-TRASPLANTE. INSTITUTO  
NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN,  
CIUDAD DE MÉXICO, MÉXICO.

## 04 FIBROSIS REGRESSION AFTER TREATMENT WITH TRIPLE THERAPY IN PATIENTS WITH LIVER TRANSPLANT FOR HEPATITIS C VIRUS

JOANICO-AGUILAR R,\* LÓPEZ-MÉNDEZ YI,\*  
GÓNZALEZ-HUEZO S,\*\* LEÓN-PÉREZ S,\* GARCÍA-GARCÍA C,\*  
SIXTOS-ALONSO S,\* PINEDA-DE-PAZ MR,\*  
LEAL-VILLALPANDO PR,\* CONTRERAS-SALDÍVAR AG,\*  
VILATOBÁ-CHAPA M,\* CASTRO-NARRO GE\*  
\*DEPARTAMENTO DE GASTROENTEROLOGÍA-TRASPLANTE. INSTITUTO  
NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN,  
CIUDAD DE MÉXICO, MÉXICO. \*\*INSTITUTO DE SEGURIDAD SOCIAL DEL  
ESTADO DE MÉXICO (ISSEMYM). MEXICO.

## 05 STEATOSIS AND FIBROSIS IN POST-LIVER TRANSPLANT PATIENTS AND ITS RELATION TO NUTRITIONAL STATUS

GUTIÉRREZ-ZAMORA-NAVARRO M, RODRÍGUEZ-VÁSQUEZ IC,  
DE LA ROSA-DIEZ-SG, TORRES-VANEGAS J, JOANICO R,  
CHÁVEZ J, CASTRO-NARRO GE, MARTÍNEZ-VÁSQUEZ SE  
DEPARTAMENTO DE GASTROENTEROLOGÍA. INSTITUTO NACIONAL DE  
CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN, CIUDAD DE MÉXICO,  
MÉXICO.

## 06 IMPACT ON THE QUALITY OF LIFE IN PATIENTS IN WAITING LIST FOR ORTHOTOPIC LIVER TRANSPLANTATION (OLT) AFTER A NUTRITIONAL INTERVENTION

CHÁVEZ-VELÁZQUEZ JH, SIXTOS-ALONSO M,  
LÓPEZ-MÉNDEZ YI, GÓMEZ-REYES E, TORRES-VANEGAS J,  
LEÓN-PÉREZ S, PINEDA-DE PAZ M, JOANICO-AGUILAR R,  
VILATOBÁ-CHAPA M, LEAL-VILLALPANDO PR,  
CONTRERAS-SALDÍVAR A, CASTRO-NARRO GE  
DEPARTAMENTO DE GASTROENTEROLOGÍA- TRASPLANTE. INSTITUTO  
NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN,  
CIUDAD DE MÉXICO, MÉXICO.

## 07 IMPLICATION OF OBESITY IN THE EVOLUTION POST ORTHOTOPIC LIVER TRANSPLANTATION AT 24 MONTHS COMPARED WITH A CONTROL GROUP

LEÓN-PÉREZ S, PINEDA-DE PAZ M, LÓPEZ-MÉNDEZ YI,  
GÓMEZ-REYES E, SIXTOS-ALONSO M, CHÁVEZ-VELÁZQUEZ J,  
JOANICO-AGUILAR R, TORRES-VANEGAS J,  
LEAL-VILLALPANDO PR, CONTRERAS-SALDÍVAR A,  
VILATOBÁ-CHAPA M, CASTRO-NARRO GE  
DEPARTAMENTO DE GASTROENTEROLOGÍA-TRASPLANTE. INSTITUTO  
NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN,  
CIUDAD DE MÉXICO, MÉXICO.

## 08 SARCOPENIA IN OBESE PATIENTS WITH CIRRHOSIS EVALUATION FOR LIVER TRANSPLANTATION

PINEDA-DE PAZ M, LÓPEZ-MÉNDEZ YI, CHÁVEZ-VELÁZQUEZ  
J, TORRES-VANEGAS J, LEÓN-PÉREZ S, JOANICO-AGUILAR R,  
SIXTOS-ALONSO M, CASTRO-NARRO GE  
DEPARTAMENTO DE GASTROENTEROLOGÍA, TRASPLANTE. INSTITUTO  
NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR ZUBIRÁN,  
CIUDAD DE MÉXICO, MÉXICO.

## 09 INFLAMMATORY INDICATORS DECREASE WITH BRANCHED CHAIN AMINO ACID SUPPLEMENTATION IN PATIENTS WITH CIRRHOSIS SENT TO LIVER TRANSPLANT EVALUATION

TORRES-VANEGAS J, SIXTOS-ALONSO MS,  
LÓPEZ-MÉNDEZ YI, GÓMEZ-REYES E, CHÁVEZ-VELÁZQUEZ J,  
PINEDA-DE PAZ M, LEÓN-PÉREZ S, CASTRO-NARRO GE  
INSTITUTO NACIONAL DE CIENCIAS MÉDICAS Y NUTRICIÓN SALVADOR  
ZUBIRÁN, CIUDAD DE MÉXICO, MÉXICO.

## 10 RETROGRADE CHOLANGIOGRAPHY ENDOSCOPY WITH SINGLE BALLOON ASSISTED ENTEROSCOPY (RCE-SBAE) FOR TREATMENT OF ANASTOMOTIC BILIODIGESTIVE STRICTURE IN LIVER TRANSPLANT. REPORT OF 3 CASES

BETANCOURT-SÁNCHEZ F, MIRELES-ÁLVAREZ CA,  
HERNÁNDEZ-JAIME M, MEDINA-MEDRANO MA,  
RODRÍGUEZ SANCHO LC, MALÉ-VELÁZQUEZ R  
HEPATIC AND DIGESTIVE HEALTH INSTITUTE, GUADALAJARA, JALISCO,  
MÉXICO.

## 11 EPIDEMIOLOGICAL AND CLINICAL CHARACTERISTICS OF PATIENTS REFERRED FOR EVALUATION FOR LIVER TRANSPLANTATION IN TRASPLANT UNIT OF HOSPITAL GENERAL CENTRO MÉDICO NACIONAL LA RAZA, IMSS

MARTÍNEZ SALDÍVAR B,\* HERNÁNDEZ DOMÍNGUEZ M,\*\*  
SANTOS CABALLERO M,\*\*\* FLORES-ARROYO,\*\*\*\*  
DÍAZ PINEDA M,\*\*\*\*\* SANSÓN NAVARRO G\*\*\*\*\*  
\*LIVER TRANSPLANT UNIT, \*\*CHIEF OF TRANSPLANT DIVISION, \*\*\*CHIEF  
TRANSPLANT UNIT, HG CMN LA RAZA. \*\*\*\*LIVER UNIT INSTITUTO DE  
PENSIONES DEL ESTADO DE JALISCO, \*\*\*\*\*MEDICINE SCHOOL, UNAM.  
MEXICO.

## 12 WALK TEST SIX MINUTES PREDICTOR OF PERIOPERATIVE COMPLICATIONS IN PATIENTS UNDERGOING ORTHOTOPIC LIVER TRANSPLANTATION

ROSAS-FLORES AP, LEAL-VILLALPANDO RP,  
VILATOBA-CHAPA M, CONTRERAS-SALDÍVAR A,  
CASTRO-NARRO GE, GARCÍA I,  
ZAMUDIO-BAUTISTA JL  
ANESTESIOLOGÍA Y MEDICINA PERIOPERATORIA, GASTROENTEROLOGÍA.  
INSTITUTO NACIONAL DE CIENCIAS MÉDICAS Y DE LA NUTRICIÓN  
SALVADOR ZUBIRÁN. CIUDAD DE MÉXICO, MÉXICO.

## IX. LIVER TUMORS

### 01 HEPATIC EPITHELIOID HEMANGIOENDOTHELIOMA: A CASE REPORT

FLOREZ-MEDELLIN D,\* GALINDO-OROZCO M,\*  
GARCÍA-AGUILAR B,\*\* CASTILLO-BARRADAS M\*  
\* GASTROENTEROLOGY SERVICE, \*\* PATHOLOGY SERVICE, HOSPITAL DE  
ESPECIALIDADES, CENTRO MÉDICO NACIONAL LA RAZA IMSS, MEXICO  
CITY, MEXICO.

### 02 HEPATOCELLULAR CARCINOMA AS SECOND LEADING MORTALITY CAUSE BY MALIGNANT NEOPLASM IN HIDALGO, MEXICO: SURVEILLANCE FROM THE MINISTRY OF HEALTH 1990-2013

CONTRERAS OMAÑA R,\* BARRERA CORTÉS RI\*\*  
\* RESEARCH IN GASTROENTEROLOGY AND LIVER DISEASES HGZM NO. 1,  
IMSS HIDALGO. \*\* STUDENT OF MASTER IN PUBLIC HEALTH, MEDICINE  
SCHOOL, UAEH, PACHUCA, HIDALGO. MEXICO.

### 03 IMPACT OF NASH IN THE ETIOLOGY OF HCC IN THE NORTHEAST OF MEXICO

MUÑOZ LE, APARICIO JE, ZAPATA HA, CORDERO P,  
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### 06 LIVER CANCER IN ELDERLY MEXICAN WOMEN IS MORE FREQUENT THAN BREAST AND CERVICAL CANCER

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