

MS-012 Richard G. Snyder Papers

Drawer 2 Impact / Restraint / Head

Drawer	File	Title	Dates
2 (1 of 2)	1	Ewing, C. (NBDL). 650 Page Report; Head/Neck/Impact	undated
2 (1 of 2)	2	Nelson, D. et al. New Mexico Motorcycle Fatalities Helmet Nonuse/Alcohol.	1992
2 (1 of 2)	3	Nolen, S. "Cykelhjalmsanvandning I Sverige 1988-1991. Resultat fran 1991 ars Observationsstudie" [Bicycle Helmet Usage in Sweden 1988-1991. Result from the Observational Study 1991]	1992
2 (1 of 2)	4	Jones, A. Wheelchair Bus Transport.	1992
2 (1 of 2)	5	Fraser, B. A. et al. "Physical Management of Multiple Handicaps. A Professional's Guide"	1990
2 (1 of 2)	6	Biberman, L. M. and Alluisi, E. A. "Pilot Errors Involving Head-Up Displays (HUDs), Helmet-Mounted Displays (HMDs), and Night Vision Goggles (NVGs)"	1992
2 (1 of 2)	7	Collopy, B. T. et al. "Correlation Between Injury Severity Scores and Subjective Ratings of injury Severity: A Basis for Trauma Audit"	1992
2 (1 of 2)	8	Saul, R. A. and Zubby, D. S. "Analysis of Hybrid III Lower Leg Instrumentation and An Associated Injury Criterion"	1992
2 (1 of 2)	9	Annual Proceedings. Human Subjects for Biomechanical Research.	undated
2 (1 of 2)	10-11	Viano, D. C. "Causes and Control of Spinal Cord Injury in Automotive Crashes"	1992
2 (1 of 2)	12	Virgin, W. J. "Experimental Investigations into the Physical Properties of the Intervertebral Disc"	1951
2 (1 of 2)	13	Provensal, J. (Renault). Side Collision Parameters.	1980
2 (1 of 2)	14	SAE J850a. Barrier Collision Tests.	undated
2 (1 of 2)	15	Partyka, S. C. (NHTSA). "Serious Head Injury in Light Passenger Vehicles from Rail, Header, and Pillar Contact"	1991
2 (1 of 2)	16	Patrick, L. M. "Automotive Safety in Foreign Countries in 1969"	197
2 (1 of 2)	17	Patrick, L. M. (GSA/AMA). "Forward Force Collisions with Emphasis on Windshield Impacts"	1970
2 (1 of 2)	18	Wigglesworth, E. C. (Australia). "Motor Vehicle Crashes and Spinal Injury"	1992
2 (1 of 2)	19	Thom, D. R. (USC Thesis). Thom, D. R. "Basilar Skull Fractures in Fatal Motorcycle Accidents"	1993

2 (1 of 2)	20	Mayer, C. "Entwicklung eines Unterschenkelmodells zur Untersuchung von Unfallfolgen bei Fahrzeug-Fubganger-Kollisionen" [Development of a Lower Leg Model for the Investigation of Accident Consequences in the Case of Collisions Between Vehicles and Pedestrians]	1993
2 (1 of 2)	21	McIlduff, J. B. and Foster, E. D. 'Disruption of a Normal Aortic Valve as a Result of Blunt Chest Trauma'	1978
2 (1 of 2)	22	Maeda, H. et al. "Ring Fracture of the Base of the Skull and Atlanto-Occipital Avulsion due to Anteroflexion on Motorcycle Riders in a Head-on Collision Accident"	1993
2 (1 of 2)	23	McIntosh, A. S. et al. "Head and Neck Injury Resulting from Low Velocity Direct Impact"	undated
2 (1 of 2)	24	Bartz, J. (Cornell). 3-D Computer Crash Victim.	1971
2 (1 of 2)	25	Ewing, C. L. and Thomas, D. J. "Human Head and Neck Response to Impact Acceleration"	1972
2 (1 of 2)	26	Wasko, R. J. et al. "Results of MVMA Full Vehicle Side Impact Tests on 1990 Model Year Pontiac 6000 Vehicles Using BioSID and SID"	1991
2 (1 of 2)	27	Cardiac References/Bibliography. Blunt Trauma.	undated
2 (1 of 2)	28	Hagedorn, A. V. et al. "Performance of an Advanced ATD Thorax System in Frontal Crash Environments"	1992
2 (1 of 2)	29	Side Impact Trauma/Bibliography; References.	undated
2 (1 of 2)	30	Compton, C. P. Use of Crash Data in Research.	1993
2 (1 of 2)	31	Prasad, P. Math Simulation Models.	1993
2 (1 of 2)	32	Melvin, J. W. et al. "Brain Injury Biomechanics"	undated
2 (1 of 2)	33	UCLA. CDC Proposal. Mild Brain Injuries in Children Sequelae.	1992
2 (1 of 2)	34	Galasko, C. S. B. et al. "Neck Sprains After Road Traffic Accidents: A Modern Epidemic"	1993
2 (1 of 2)	35	Miltner, E. et al. B-Pillar Impact Injury Factors.	1992
2 (1 of 2)	36	Robinson, D. D. and Cassar-Pullicino, V. N. "Acute Neck Sprain After Road Traffic Accident: A Long-Term Clinical and Radiological Review"	1993
2 (1 of 2)	37	Munson, R. H. Ford Response to NHTSA/Hybrid III.	1992
2 (1 of 2)	38	Denning, A. and Mills, N. J. "The Deterioration of Thermoplastic Motorcycle Helmet Shells After Outdoor Exposure"	1992
2 (1 of 2)	39	Nusholtz, G. S. et al. "Pneumatic-Ballistic Impact Device"	1987
2 (1 of 2)	40	Jonsson, H. et al. "Hidden Cervical Spine Injuries in Traffic Accident Victims with Skull Fractures"	1991

2 (1 of 2)	41	Swearingen, J. J. (FAA). "Biomechanics of Facial Injury" 1965?	undated
2 (1 of 2)	42	Rupert, A. H. and Gadolin, R. E. "Motion and Spatial Disorientation Systems: Special Research Capabilities"	1993
2 (1 of 2)	43	Virgin, W. J. "Experimental Investigations Into the Physical Properties of the Intervertebral Disc"	1951
2 (1 of 2)	44	Viano, D. C. "Evaluation of Injury Risks by Armrest Loading in Side Impacts"	1991
2 (1 of 2)	45	Air Force design Handbook (HIAD). Human Tolerance 4SG.	1982
2 (1 of 2)	46	Schaper, D. "'Aktiv'-Airbag Ergänzender Kopfschutz zum Gurtsystem" [Supplementary "Aktiv" Airbag for Head Protection Belt]	1990
2 (1 of 2)	47	Illingworth, C. "The Argument for Helmets"	1992
2 (1 of 2)	48	Henzel, J. H. "Compression Fractures of Thoracic Vertebrae Apparently Resulting from Experimental Impact, A Case Report"	1965
2 (1 of 2)	49	Kenefeck, M. "Crash Safety in Racing Cars"	1993
2 (1 of 2)	50	Campbell, K. L. and Smith, E. J. "Statistical Analysis of the JAMA Side Impact Test Data"	1989
2 (1 of 2)	51	Apkarian, J. et al. "A Three-Dimensional kinematic and Dynamic Model of the Lower Limb"	1989
2 (1 of 2)	52	Lankarani, H. M. and Aravinthan, S. "Design of Non-Sled Setup To Measure Head Injury Criteria"	1992
2 (1 of 2)	53	IIHS Status Report. Car Crash Test Programs and Test Dummies.	1992
2 (1 of 2)	54	Sankey, J. W. "Final Report of a Flat Frontal Barrier Impact of a Ford Mustang Containing a Retrofit Driver's Airbag System"	1989
2 (1 of 2)	55	Viano, D. C. and Andrzejak, D. V. "Biomechanics of Abdominal Injuries by Armrest Loading"	1993
2 (1 of 2)	56	Wagle, V. G. et al. "Is Helmet Use Beneficial to Motorcyclists?"	1993
2 (1 of 2)	57	Pauls, L. S. "A Computer Modeling Method for Side Impact Simulations on Micro Computers"	1993
2 (1 of 2)	58	Fulgenzi, L. et al. "Evaluation of the BIOSID Pelvis"	1993
2 (1 of 2)	59	Pan, H. et al. Abstract of: "Finite Element Modeling of the Hybrid III Dummy Chest"	1993
2 (1 of 2)	60	Walilko, T. et al. Abstract of: "Two Dimensional Analysis of the Shoulder for Lateral Loading"	19993
2 (1 of 2)	61	Cavanaugh, J. M. et al. Abstract of: "A Comparison of SID, BIOSID and Cadaveric Data in a Side Impact Sled Test Series"	1993

2 (1 of 2)	62	Gurdjian, E. (Review). Head Trauma from Antiquity.	1973
2 (1 of 2)	63	<i>Aviation Week</i> . Letter. Brace Position.	1990
2 (1 of 2)	64	Backaitis, S. H. et al. "Occupant Kinematics in Motor Vehicle Crashes"	1982
2 (1 of 2)	65	Mattern, R. et al. "Biomechanik der Leberuptur – Ergebnisse Experimenteller Dynamischer Belastungen 'in situ' und 'in vitro'" [Biomechanics of Liver Rupture – Results of Experimental Dynamic Stress "in situ" and "in vitro"]	1986
2 (1 of 2)	66	Mani, A. and Krishnaswamy, P. "Challenges in Crash Simulation Due to Emerging Safety Standards"	1993
2 (1 of 2)	67	Nyquist, G. W. and King, A. I. "Lower Extremities"	undated
2 (1 of 2)	68	Spittle, E. K. et al. "Hybrid II and Hybrid III Dummy Neck Properties for Computer Modeling"	1992
2 (1 of 2)	69	Harris, J. P. et al. "Injuries Related to All-Terrain Vehicular Accidents: A Closer Look at Head and Neck Trauma"	1988
2 (1 of 2)	70	Kanianthra, J. N. et al. "Strategies for Passenger Car Designs to Improve Occupant Protection in Real World Side Crashes"	1993
2 (1 of 2)	71	Label Says: Hopkins, R. (MIRA). Occupant Kinematics – Math Models. 1993 Inside Folder: Kirkpatrick, S. W. et al. "Finite Element Modeling of the Side Impact Dummy (SID)" 1993	undated
2 (1 of 2)	72	Miller, P. M. and Miller II, P. M. "Evaluation Methodologies for Automobile Side Impact Development"	1993
2 (1 of 2)	73	Midoun, D. E. et al. "Development of a Finite Element Based Model of the Side Impact Dummy"	1993
2 (1 of 2)	74	Hopkins, R. and Gordon, T. "Occupant Kinematics in Impact Tests Using Retro-Fitted Mathematical Models"	1993
2 (1 of 2)	75	Yeom, C. J. et al. "A Predicting and Improvement of Side Impact Using the CC-CTP"	1993
2 (1 of 2)	76	Garrett, J. W. and Morris, D. F. "Performance Evaluation of Automobile Head Restraints"	1972
2 (1 of 2)	77	Lexus Advertisement. Crash Safety Features.	1993
2 (1 of 2)	78	Clark, C. (Martin). Impact Chronological Bibliography.	1961
2 (1 of 2)	79	AAAM (Revision). "The Abbreviated Injury Scale"	1990
2 (1 of 2)	80	Viano, D. C. "Biomechanics of Impact Trauma. Chest: Anatomy, Types and Mechanisms of Injury, Tolerance Criteria and Limits, and Injury Factors" 1992?	undated
2 (1 of 2)	81	"Helmet Use Laws" 1967-1990 Summary/States.	1990

2 (1 of 2)	82	Brookes, M. et al. "Head Injuries in Accident and Emergency Departments. How Different are Children from Adults?"	1990
2 (2 of 2)	1	Aorn Journal. "Nationwide Mandatory Seat Belt, Motorcycle Helmet Legislation Proposed"	1989
2 (2 of 2)	2	Sutorius, D. J., et al. "Traumatic Disruption of the Thoracic Aorta"	1973
2 (2 of 2)	3	Schwartz, M. (Naval Air Development Center) Vertical Impact Comparison Humans and Dummies-Body Displacement	1968
2 (2 of 2)	4	Kallieris D. et al. (16 cadavers) "The Effectiveness of Active and Passive Restraint Systems for Driver Protection in Frontal Collisions"	1994
2 (2 of 2)	5	Randhawa, M. P. S., and J. O. Menzoian. "Seat Belt Aorta"	1990
2 (2 of 2)	6	Volvo Advertisement "Where Would You Rather Sit. Behind the Front End or in it?; Folder Label as " Crash Safety"	1992
2 (2 of 2)	7	Loud, A. K., et al. "Motorcycle Use in Texas"	1989
2 (2 of 2)	8	Prasad, A. K. " CRASH3 Damage Algorithm Reformulation for Front and Rear Collisions"	1990
2 (2 of 2)	9	Pit, R., et al. "The Severity of Pedestrian Injuries in Children: An Analysis of the Pedestrian Injury Causation Study"	1990
2 (2 of 2)	10	Moffatt, C., and R. Martinez. "Pelvic Fractures Crash Vehicle Indicators"	1990
2 (2 of 2)	11	Bagley, C. "The Urban Environment and Child Pedestrian and Bicycle Injuries: Interaction of Ecological and Personality Characteristics"	1992
2 (2 of 2)	12	Nitecki, S., et al. "Seat Belt Injury to the Common Iliac Artery: Report of Two Cases and Review of the Literature"	1992
2 (2 of 2)	13	Frisch, G. D., et al. (NAMRL) "The Mechanism of Head and Neck Response to -G _x Impact Acceleration. A Math modeling Approach"	1976
2 (2 of 2)	14	Snyder, R., et al. " Impact Injuries in Pregnancy"	1968
2 (2 of 2)	15	Larousse, R. "Energy Absorption by Structural Deformation"	1973
2 (2 of 2)	16	The Insurance Institute for Highway Safety (IIHS) "To Prevent Harm"	1978
2 (2 of 2)	17	States, J. D. "Adult Occupant Injuries of the Lower Limb"	1992
2 (2 of 2)	18	Baker, S. P. " Injury Control"	1972
2 (2 of 2)	19	Kessler, J., et al. "Pedestrian Head Impact Zones on Late Model Cars and LTV's"	1989
2 (2 of 2)	20	Fonda, A. G. "Crush Energy Formulations and Single-Event Reconstruction"	1990

2 (2 of 2)	21	SAE Human Factors Engineering Forum Committee	1988
2 (2 of 2)	22	Neck Study	circa 1971 - 1974
2 (2 of 2)	22A	Request for Human Use Authorization by the Committee to Review Grants for Clinical Research and investigation involving Human Beings	undated
2 (2 of 2)	23	States J. D., and D. C. Viano. "Injury Impairment and Disability Scales to Assess the Permanent Consequences of Trauma"	1990
2 (2 of 2)	24	Ried, A. B., et al. "Pediatric Chance Fractures: Association with Intra-abdominal Injuries and Seat Belt Use"	1990
2 (2 of 2)	25	Macdonald, R. L. et al. "Diagnosis of Cervical Spine Injury in Motor Vehicle Crash Victims: How Many X-Rays are Enough"	1990
2 (2 of 2)	26	Chinn, B. P., and M. A. Macaulay. "The Effect of Leg Protecting Fairings on the Overall Motion of A motorcycle in a Glancing Impact"	1989
2 (2 of 2)	27	National Highway Traffic Safety Administration (NHTSA). "Pedestrian / Bicycle Safety Study"	1975
2 (2 of 2)	28	Honeywell. (GM) "Auto Impact Sensor"	undated
2 (2 of 2)	29	Terhune, K. W. (MVMA) "A Comparison of Light Truck and Passenger Car Occupant Protection in Single-Vehicle Crashes"	1986
2 (2 of 2)	30	Accident Report on Mustang Convertible at Indianapolis, IN - Gear Shift Injury	1967
2 (2 of 2)	31	Eazzat H. A., et al. (GM) "Transferring Technology at General Motor"	1989
2 (2 of 2)	32	Mercedes-Benz (Time Advertisement) "Crash Testing"	1989
2 (2 of 2)	33	Williams, M. (Australia) "The Protective Performance of Bicyclists' Helmets Accidents"	1991
2 (2 of 2)	34	Snyder, R. G. (1970) "Human Impact Tolerance"	1972
2 (2 of 2)	35	Liaw, J. C., et al. (UK) "Structural Impact Simulation Using Program KRASH"	1990
2 (2 of 2)	36	Strother, C. E., et al. "A Comparison Between NHTSA Crash Test Data and CRASH3 Frontal Stiffness Coefficients"	1990
2 (2 of 2)	37	Day, T. D., and R. L. Hargens. "Further Validation of EDSMAC Using the RICSAC Staged Collisions"	1990
2 (2 of 2)	38	Wallingford, J. G., et al. "Tire-Roadway Friction Coefficients on Concrete and Asphalt Surfaces Applicable for Accident Reconstruction"	1990
2 (2 of 2)	39	Nakagawa, K., and T. Ootsubo. (Isuzu) "Crash Simulation of a Passenger Car"	1990

2 (2 of 2)	40	Matsumoto, H., et al. (Mazda) "A Parametric Evaluation of Vehicle Crash Performance"	1990
2 (2 of 2)	41	Huelke, D. F., and P. W. Gikas. "Causes of Deaths in Automobile Accidents"	1966
2 (2 of 2)	42	Fildes, B. N., et al. (Australia) "Passenger Cars and Occupant Injury"	1991
2 (2 of 2)	43	Arneson, S., et al. "Automobile Seat Belt Practices of Pregnant Women"	1986
2 (2 of 2)	44	Arajarvi, E., et al. (Finland)"Abdominal Injuries Sustained in Severe Traffic Accidents by Seat Belt Wearers"	1987
2 (2 of 2)	45	Gentex Corporation "Leading Manufacturer of Advanced Head Protective Systems"	1982
2 (2 of 2)	46	Anderson, R. L., and E. Enserink. (Dynamic Science/NHTSA Report) "Rear End Structural Crashworthiness of Unitized Construction Vehicles, Design Development and Design Verification"	1973
2 (2 of 2)	47	Baker, P. B., et al. (Snell) "Injuries to Bicyclists: A national Perspective"	1993
2 (2 of 2)	48	AGARD Conference Proceedings No.471 "Neck Injury in Advanced Military Aircraft Environments"	1989
2 (2 of 2)	49	Bishop, P. J., and R. P. Well. (Canada) "The Appropriateness of Helmet Tests in Assessing Neck Protection in Head-First Impact"	1990
2 (2 of 2)	50	Department of Health and Human Services; Center for Disease Control "Injury in America Update"	1991
2 (2 of 2)	51	NHTSA/BMW. Frontal Impact Test	1985
2 (2 of 2)	52	Human Subject "Biomechanical Research"	1990
2 (2 of 2)	53	Laberge, C., et al. (Montreal) "Neck Injuries Amongst Motor Vehicle Occupants Involved in A collision"	1993
2 (2 of 2)	54	Stutts, J. C., et al. (UNC) "Pedestrian and Bicyclist Safety"	1992
2 (2 of 2)	55	Hodgson, V. R. (Wayne) "Skid Test on a Select Group of Bicycle Helmets to Determine Head-Neck Protective Characteristics"	1991
2 (2 of 2)	56	Griffin, L. I. "Estimating the Effectiveness of Occupant Protection Safety Devices from State Accident Data"	1990
2 (2 of 2)	57	Head and Spine Trauma Paper	
2 (2 of 2)	57A	Empty Folder Label as; "Fx Light Aircraft Accidents"	1977
2 (2 of 2)	57B	Carragher, A. M., and B. Cranley "Seat-Belt Stomach Transaxion in Association with Chance Vertebral Fracture"	1987

2 (2 of 2)	57C	Drew, R. D., et al. "The Dominance of Vertebral Column Fractures Associated with Neurologic Deficits Among Survivors of Light-Plane Accident"	1977
2 (2 of 2)	57D	Hearon, B. F., et al. (Wright-Patterson Air Force Base" Mechanism of Vertebral Fracture in the F/FB-111 Ejection Experience"	1982
2 (2 of 2)	57E	FAA "Notice of Proposed Rule Making Crashworthiness for Small Airplane"	1973
2 (2 of 2)	57F	General Aviation Manufacturers Association "Proposed Statement on Crash Restraint"	1982
2 (2 of 2)	57G	Mooney M20C Aircraft Accident - Blaney Park, Michigan	1964
2 (2 of 2)	57H	Miller, C. A., et al. "Impaction Fracture of the Lumbar Vertebrae with Dural Tear"	1980
2 (2 of 2)	57I	Coms, S. P. "The Biomechanical Response of the Primate Lumbar Spine to Mechanical Load"	1979
2 (2 of 2)	57J	Roaf, R., et al. "A study of the Mechanics of Spinal Injuries"	1960
2 (2 of 2)	58	Chrysler Corporation "Impact Force on Humans"	1967
2 (2 of 2)	59	National Highway Traffic Safety Administration "Femur Load Limits / Shoulder Belt Load Limits"	1981
2 (2 of 2)	60	Schneider, L. W., et al. "Development of an Advanced ATD Thorax System for Improved Injury Assessment in Frontal Crash Environment"	1992
2 (2 of 2)	61	Stone, I. "Helmet Designed for Supersonic Bailout"	1955
2 (2 of 2)	62	Hess / Weber, Melvin Um "Head Impact Tol Review" [Empty Folder]	1980
2 (2 of 2)	63	Hopes, P. (UK) "Helmet New Design" [Empty Folder]	1989
2 (2 of 2)	64	Shungar, T. A. (NCBC) "A Finite Element Head Injury Model - Volume I: Theory, Development, and Results"	1977
2 (2 of 2)	65	Shungar, T. A. (NCBC) "A Finite Element Head Injury Model - Volume II: Computer Program Documentation"	1977
2 (2 of 2)	66	Ruan, J. S., et al. "Finite Element Modeling of Direct Head Impact"	1993
2 (2 of 2)	67	Zellmer, H. (Germany) "Investigation of the Performance of Motorcycle Helmets Under Impact Conditions"	1993
2 (2 of 2)	68	Sweden Bicyclists "Swedish Helmet Initiative"	1992
2 (2 of 2)	69	Dimasi, F., and R. H. Eppinger. (NHTSA) "Simulated Head Impacts with Upper Interior Structures Using Rigid and Anatomic Brain Models"	1991

2 (2 of 2)	70	Spaite, D. w., et al. (Arizona)"A Prospective Analysis of Injury Severity Among Helmeted and Nonhelmeted Bicyclists Involved in Collisions with Motor Vehicles"	1991
2 (2 of 2)	71	Sundahl, J. (Helmets) "Notes on Thermoplastic Shells" [Empty Folder]	1991
2 (2 of 2)	72	Healy, M. (Australia) "The Impact of Helmet Wearing Legislation and Promotion on Bicyclists in Western Australia"	1992
2 (2 of 2)	73	ANSI Standards "Industrial Head Prot." [Empty Folder]	1969
2 (2 of 2)	74	Medical Journal of Australia. Helmets Bicyclists/Victoria	1991