

Asphalt Institute Manual Ms 3

T.F. Fwa

Asphalt Institute Manual Ms 3:

Hot-mix Bituminous Paving Manual ,1985 Hot Mix Asphalt Paving Handbook United States. Federal Aviation Administration,1991 The Handbook of Highway Engineering T.F. Fwa,2005-09-28 Modern highway engineering reflects an integrated view of a road system s entire lifecycle including any potential environmental impacts and seeks to develop a sustainable infrastructure through careful planning and active management This trend is not limited to developed nations but is recognized across the globe Edited by renowned authority Manual Series Asphalt Institute,1969

Hydrocarbon Contaminated Soils and Groundwater Paul T. Kostecki, Edward J. Calabrese, 2023-01-06 Proceedings of the February 19 22 1990 conference held at Newport Beach California ConferenceDirectors PAUL T KOSTECKI EDWARD I CALABRESE and CHARLES E BELL Advisory Committee RICHARD BOZEK EEI TERRY BRAZEL SWRCB MARK COUSINEAU AG SETH DAUGHERTY Orange County RALPH De La PARRA SCE JERRY HAGGY Shell JOHN HANBY HAL JOHN HILL ICF JOHN HILLS City of Anaheim DOROTHY KEECH Chevron BILL KUCHARSKI WC DAVID LEU Mittel Hauser MARY McLEARN EPRI PHIL OLWIN Texaco DENNIS PAUSTENBACH MC ART POPE ARCO LYNNE PRESLO Weston DON ROTHENBAUM KA KIM SAVAGE EPA OUST CARL SHUBERT IT WENDELL SUYAMA Lockheed MICHAEL WANG WSPA JOHN WILLIAMS TT Introduction to Modern Infrastructure Construction George Wang, Don Chen, Jennifer and WILLIAM WINTERS AFM Brandenburg, 2024-12-30 Introduction to Modern Infrastructure Construction serves as a pivotal resource for construction management education focusing primarily on heavy civil construction and the latest technological innovations in the field This essential textbook is designed for both academic and professional use thoroughly covering critical topics including earthwork highway planning design asphalt production paving recycling technology and transportation asset management Additionally it explores various aspects of infrastructure such as bridges railways airports and pipelines offering comprehensive insights beneficial to project management in these areas Each chapter is supplemented with discussion questions or assignments to enhance educational value and the text includes lab practice appendices to reinforce practical application Authored by leading experts in the field George Wang Jennifer Brandenburg and Don Chen Introduction to Modern Infrastructure Construction draws on their extensive experience in academic teaching research and practical application Their expertise provides readers with a unique blend of theoretical knowledge and real world perspective making this book an indispensable guide for anyone aspiring to excel in the field of infrastructure construction Standards for Specifying Construction of Airports United States. Federal Aviation Administration, 1977 Soil Stabilization for Roadways and Airfields ,1987 Technical Manual United States Department of the Army, 1971 7th RILEM International Conference on Cracking in Pavements A. Scarpas, Niki Kringos, I. Al-Qadi, Loizos A., 2012-08-30 In the recent past new materials laboratory and in situ testing methods and construction techniques have been introduced In addition modern computational techniques such as the finite element method enable the utilization of sophisticated constitutive models for

realistic model based predictions of the response of pavements The 7th RILEM International Conference on Cracking of Pavements provided an international forum for the exchange of ideas information and knowledge amongst experts involved in computational analysis material production experimental characterization design and construction of pavements All submitted contributions were subjected to an exhaustive refereed peer review procedure by the Scientific Committee the Editors and a large group of international experts in the topic On the basis of their recommendations 129 contributions which best suited the goals and the objectives of the Conference were chosen for presentation and inclusion in the Proceedings The strong message that emanates from the accepted contributions is that by accounting for the idiosyncrasies of the response of pavement engineering materials modern sophisticated constitutive models in combination with new experimental material characterization and construction techniques provide a powerful arsenal for understanding and designing against the mechanisms and the processes causing cracking and pavement response deterioration As such they enable the adoption of truly mechanistic design methodologies The papers represent the following topics Laboratory evaluation of asphalt concrete cracking potential Pavement cracking detection Field investigation of pavement cracking Pavement cracking modeling response crack analysis and damage prediction Performance of concrete pavements and white toppings Fatigue cracking and damage characterization of asphalt concrete Evaluation of the effectiveness of asphalt concrete modification Crack growth parameters and mechanisms Evaluation quantification and modeling of asphalt healing properties Reinforcement and interlayer systems for crack mitigation Thermal and low temperature cracking of pavements and Cracking propensity of WMA and recycled asphalts

Fuel your quest for knowledge with Learn from is thought-provoking masterpiece, Explore **Asphalt Institute Manual Ms 3**. This educational ebook, conveniently sized in PDF (*), is a gateway to personal growth and intellectual stimulation. Immerse yourself in the enriching content curated to cater to every eager mind. Download now and embark on a learning journey that promises to expand your horizons.

 $\underline{https://stats.tinkerine.com/book/Resources/Documents/altima\%20u13\%201997\%20service\%20and\%20repair\%20manual.pdf}$

Table of Contents Asphalt Institute Manual Ms 3

- 1. Understanding the eBook Asphalt Institute Manual Ms 3
 - The Rise of Digital Reading Asphalt Institute Manual Ms 3
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Asphalt Institute Manual Ms 3
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - $\circ\,$ Features to Look for in an Asphalt Institute Manual Ms 3
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Asphalt Institute Manual Ms 3
 - Personalized Recommendations
 - $\,\circ\,$ Asphalt Institute Manual Ms 3 User Reviews and Ratings
 - Asphalt Institute Manual Ms 3 and Bestseller Lists
- 5. Accessing Asphalt Institute Manual Ms 3 Free and Paid eBooks
 - Asphalt Institute Manual Ms 3 Public Domain eBooks
 - Asphalt Institute Manual Ms 3 eBook Subscription Services
 - Asphalt Institute Manual Ms 3 Budget-Friendly Options

- 6. Navigating Asphalt Institute Manual Ms 3 eBook Formats
 - o ePub, PDF, MOBI, and More
 - Asphalt Institute Manual Ms 3 Compatibility with Devices
 - Asphalt Institute Manual Ms 3 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - o Adjustable Fonts and Text Sizes of Asphalt Institute Manual Ms 3
 - Highlighting and Note-Taking Asphalt Institute Manual Ms 3
 - Interactive Elements Asphalt Institute Manual Ms 3
- 8. Staying Engaged with Asphalt Institute Manual Ms 3
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Asphalt Institute Manual Ms 3
- 9. Balancing eBooks and Physical Books Asphalt Institute Manual Ms 3
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Asphalt Institute Manual Ms 3
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Asphalt Institute Manual Ms 3
 - Setting Reading Goals Asphalt Institute Manual Ms 3
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Asphalt Institute Manual Ms 3
 - Fact-Checking eBook Content of Asphalt Institute Manual Ms 3
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements

• Interactive and Gamified eBooks

Asphalt Institute Manual Ms 3 Introduction

In the digital age, access to information has become easier than ever before. The ability to download Asphalt Institute Manual Ms 3 has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Asphalt Institute Manual Ms 3 has opened up a world of possibilities. Downloading Asphalt Institute Manual Ms 3 provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Asphalt Institute Manual Ms 3 has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Asphalt Institute Manual Ms 3. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Asphalt Institute Manual Ms 3. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Asphalt Institute Manual Ms 3, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Asphalt Institute Manual Ms 3 has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of

continuous learning and intellectual growth.

FAQs About Asphalt Institute Manual Ms 3 Books

- 1. Where can I buy Asphalt Institute Manual Ms 3 books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
- 2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
- 3. How do I choose a Asphalt Institute Manual Ms 3 book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
- 4. How do I take care of Asphalt Institute Manual Ms 3 books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
- 5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
- 6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
- 7. What are Asphalt Institute Manual Ms 3 audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
- 8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
- 9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.

10. Can I read Asphalt Institute Manual Ms 3 books for free? Public Domain Books: Many classic books are available for free as theyre in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Asphalt Institute Manual Ms 3:

altima u13 1997 service and repair manual amadeus advanced manual amazon unlimited books amazing adventures buster crabbe television amana ace 230 manual amazon lending library alternatives to ty handbook amanda the austen series book 5 alternative energy historical guides to controversial issues in america amazing adventures letitia carberry

amazon com self publishing

amada punch press operator manual amarr reliabilt 500 garage door manual amazon virtual private cloud vpc getting started guide amazon prime luggage

Asphalt Institute Manual Ms 3:

admissions financial aid apply to und university of north - Aug 11 2022

web oct 19 2023 und today is the university s official online news source supporting strategic goals that ensure und s place as the chief opportunity engine and premier

und nedir und ne demek fx nakliyat lojistik - Dec 15 2022

web und or und may refer to und hungary a village und a 1999 play by howard barker university of north dakota a public university in grand forks north dakota university

und İstanbul İftar yemeği uluslararası nakliyeciler derneği - Feb 05 2022

und academics college degrees university of north dakota - Oct 13 2022 web und and and what of it and and and learn more in the cambridge german english dictionary academic calendar university of north dakota - Apr 07 2022

university of north dakota wikipedia - Mar 18 2023

web jul 19 2022 und nedir uluslararası nakliyat sektöründe sıkça kullanılır bir organizasyon veya birlik olarakta bilinmektedir sektör temsilcilerinin bir araya gelerek oluşturduğu bir

uluslararası nakliyeciler derneği - Jan 16 2023

web see how our students are making a positive impact locally nationally and beyond read their stories earn your college degree online or on campus at the university of north

und İstanbul avusturya baŞkonsolosluĞunu - May 20 2023

web jan 31 2021 lojistik sekto ru giris imcilerinin ikinci u c u ncu kus ak temsilcilerini geleceğin dünyasına hazırlamak için kurulan genc und akademi nin en önemli hedeflerinden

und wikipedia - Sep 12 2022

web what we do due to the powers vested in its charter and its unique international character the united nations can take action on the issues confronting humanity in the 21st

about und grand forks nd university of north - Feb 17 2023

web explore programs use our interactive program finder to explore und programs filter your search by program type field of study and format or type a keyword to get started filter

und today university of north dakota s official news source - May 08 2022

web apr 13 2022 haberler und İstanbul İftar yemeĞİ derneğimizin İstanbul İftar yemeği 26 nisan 2022 salı günü crowne plaza İstanbul asia otelde yapılacaktır

united nations peace dignity and equality on a healthy planet - Jun 09 2022

web find academic financial and campus resources and student events for current und online and on campus students <u>current students university of north dakota</u> - Mar 06 2022

uluslararası nakliyeciler derneği und - Sep 24 2023

web und brüksel heyeti sektör gündemlerini paylaşmak Üzere avrupa parlamentosu nda temaslar gerçekleştirdi avrupa birliği daimi temsilcimiz büyükelçi sayın faruk

und translate german to english cambridge dictionary - Jul 10 2022

web oct 27 2023 academic calendar und s official academic calendar varies if you are an undergraduate graduate medicine law or online student view important dates and

genç und akademi İlk sertifika programıyla güçlü bir gelecek - Apr 19 2023

web und brüksel heyeti sektör gündemlerini paylaşmak Üzere avrupa parlamentosu nda temaslar gerçekleştirdi 13 10 2023 avrupa birliği daimi temsilcimiz büyükelçi sayın

explore 250 academic programs at und university of north - Nov 14 2022

web discover what being a und fighting hawk is all about schedule a campus visit review college admission requirements and learn how to apply for financial aid at the university

und grand forks nd university of north dakota - Jun 21 2023

web und heyeti İstanbul avusturya başkonsolosu sayın gerhard lutz u makamında ziyaret etti yapılan görüşmede avusturya ya taşımacılık faaliyeti gerçekleştiren firmaların vize

und İstanbul ticaret Üniversitesi İşbirliğiyle yüksek lisans ve - Jul 22 2023

web und İstanbul ticaret Üniversitesi İşbirliğiyle yüksek lisans ve doktora programlarında sektöre Özel İndirim kapat güçlü lojistik güçlü türkiye

güçlü lojistik güçlü türkiye und - Aug 23 2023

web 26 rows sep 22 2023 und hukuk Çalışma grubu 2022 yılı faaliyet raporu

bill riley on the air and at the iowa state fair open library - Mar 28 2023

web bill riley on the air and at the iowa state fair by bill riley sr 2016 arcadia publishing inc edition in english iowa state fair bill riley talent search - Jun 30 2023

web in 1946 iowa falls native bill riley emceed variety shows held at the iowa state fair by krnt radio in 1957 bill approached fair secretary lloyd cunningham about showcasing talented kids during the state fair two years later bill riley s first iowa state fair talent search was held

bill riley on the air and at the iowa state fair paperback - Jul 20 2022

web jul 4 2016 bill riley senior spent sixty years in radio and television and at the iowa state fair he was the founder of the bill riley talent search that is now in its fifty seventh year many people knew him as mr iowa state fair or the voice of the drake relays

bill riley on the air and at the iowa state fair goodreads - Apr 28 2023

web bill riley on the air and at the iowa state fair book read reviews from world s largest community for readers many know bill riley as mr iowa state fa

bill riley on the air and at the iowa state fair arcadia publishing - Aug 01 2023

web an iowan through and through bill worked tirelessly on behalf of the state s outdoor spaces and young people raising money for bike trails many know bill riley as mr iowa state fair the voice of the drake relays or the force behind the bill riley talent search

bill riley on the air and at the iowa state fair ebooks com - Sep 21 2022

web many know bill riley as mr iowa state fair the voice of the drake relays or the force behind the bill riley talent search he wore all of those hats along with countless more an iowan through and through bill worked tirelessly on behalf of the state s outdoor spaces and young people raising money for bike trails and the des moines

bill riley on the air and at the iowa state fair riley sr bill - Oct 03 2023

web jun 21 2022 bill riley on the air and at the iowa state fair by riley sr bill publication date 2016 topics electronic books livres nume riques e books publisher arcadia publishing inc collection inlibrary printdisabled internetarchivebooks contributor internet archive language english 1 online resource

bill riley on the air and at the iowa state fair google play - Feb 24 2023

web bill riley on the air and at the iowa state fair ebook written by bill riley sr read this book using google play books app on your pc android ios devices download for offline reading highlight bookmark or take notes while you read bill riley on the air and at the iowa state fair

bill riley on the air and at the iowa state fair amazon com - Jun 18 2022

web jul 4 2016 many know bill riley as mr iowa state fair the voice of the drake relays or the force behind the bill riley talent search he wore all of those hats along with countless more an iowan through and through bill worked tirelessly on behalf of the state s outdoor spaces and young people raising money for bike trails and the des moines

bill riley on the air and at the iowa state fair amazon com tr - May 30 2023

web bill riley on the air and at the iowa state fair riley sr bill amazon com tr kitap

bill riley on the air and at the iowa state fair goodreads - Apr 16 2022

web many know bill riley as mr iowa state fair the voice of the drake relays or the force behind the bill riley talent search he wore all of those hats along with countless more an iowan through and through bill worked tirelessly on behalf of the state s outdoor spaces and young people raising money for bike trails and the des moines

bill riley on the air and at the iowa state fair abebooks - Dec 25 2022

web abebooks com bill riley on the air and at the iowa state fair 9781467136525 by riley sr bill and a great selection of similar new used and collectible books available now at great prices

bill riley on the air and at the iowa state fair paperback - Mar 16 2022

web bill riley on the air and at the iowa state fair riley sr bill torpy heather amazon com au books

bill riley on the air and at the iowa state fair paperback - Feb 12 2022

web buy bill riley on the air and at the iowa state fair by riley sr bill torpy heather online on amazon ae at best prices fast and free shipping free returns cash on delivery available on eligible purchase

bill riley on the air and at the iowa state fair kindle edition - Aug 21 2022

web bill riley on the air and at the iowa state fair ebook riley sr bill amazon com au kindle store

bill riley on the air and at the iowa state fair softcover - Jan 26 2023

web bill riley on the air and at the iowa state fair by riley sr bill at abebooks co uk isbn 10 1467136522 isbn 13

9781467136525 history press 2016 many know bill riley as mr iowa state fair the voice of the drake relays or the force

behind the bill riley talent search he wore all of those hats along with countless more

bill riley on the air and at the iowa state fair apple books - Oct 23 2022

web jul 4 2016 bill riley on the air and at the iowa state fair bill riley sr 12 99 publisher description many know bill riley as mr iowa state fair the voice of the drake relays or the force behind the bill riley talent search he wore all

bill riley on the air and at the iowa state fair amazon com tr - Nov 23 2022

web bill riley on the air and at the iowa state fair riley sr bill torpy heather amazon com tr kitap

bill riley on the air and at the iowa state fair kindle edition - May 18 2022

web jul 4 2016 bill riley on the air and at the iowa state fair bill riley sr author many know bill riley as mr iowa state fair the voice of the drake relays or the force behind the bill riley talent search he wore all of those hats along with countless more bill riley on the air and at the iowa state fair google books - Sep 02 2023

web many know bill riley as mr iowa state fair the voice of the drake relays or the force behind the bill riley talent search he wore all of those hats along with countless more an

thoraxdrainage uza - May 05 2022

web 8888571489 sentinel seal thoraxdrainage einheit voreingestellt für die

patienteninformation thoraxdrainage youtube - Apr 04 2022

therapie des pneumothorax und thoraxdrainage - Jan 13 2023 web dieses dringt durch verletzungen der blutgefäße in die lunge so können unfälle oder thoraxdrainage cardinal health - Mar 03 2022

thoraxdrainage schritt für schritt thieme - Nov 11 2022

web jul 30 2016 das patientenklientel das mit einer thoraxdrainage behandelt wird ist im

thoraxdrainage klinische anwendung wissen amboss - Jun 18 2023

web nov 21 2019 ziele der ptx therapie sind die wiederausdehnung der lunge und die **bei thoraxdrainagen den sog einstellen medela medela de** - Feb 02 2022

pflege von patienten mit einer thoraxdrainage springerlink - Jun 06 2022

web thorax nedir ve thorax ne demek sorularına hızlı cevap veren sözlük sayfası thorax thoraxdrainagen springerlink - Mar 15 2023

web so wird s gemacht 339 klopp m hoffmann h dienemann h die thoraxdrainage dtsch einführen einer thoraxdrainage lungen und - Apr 16 2023

web schritt 4 inzision im nächsten schritt erfolgt bei ansprechbaren patien ten eine **thoraxdrainage technik tipps und tricks** - May 17 2023

web einleitung thoraxdrainagen sind ein wichtiges arbeitsinstrument nicht nur in der **thoraxdrainage wikipedia** - Sep 21 2023

web aug 28 2023 die anlage einer thoraxdrainage kann therapeutisch zur entlastung eines so wird s gemacht thoraxdrainage thieme - Oct 10 2022

web 6 minuten wandeltest bodybox wat is een thoraxdrainage er wordt een thoraxdrain delphi expert consensus of the german thoracic surgery - Dec $12\ 2022$

web zusammenfassung bei verlust des pleuralen unterdruckes ungeachtet der Ätiologie thoraxdrainage doccheck flexikon - Aug 20 2023

web bei einer thoraxdrainage auch als thorakoskopie bezeichnet wird ein schlauch in den thoraxdrainagen springerlink - Jul 07 2022

web thoraxdrainagen sind dazu da um flüssigkeiten aus dem brustraum zu entfernen $\underline{\text{thoraxdrainage definition gründe ablauf und risiken}}$ - Jul 19 2023

web thoraxdrainagen werden in den pleuraspalt eingeführt um luft oder flüssigkeit sentinel seal thoraxdrainage einheit cardinal health - Nov 30 2021

thoraxdrainage behandlung wirkung risiken medlexi de - Aug 08 2022

web herz thorax chirurgie thorax
drainage sentinel seal thorax
drainage einheit aqua $\underline{d}\ \underline{r}$ - Feb 14 2023

web jul 4 2023 menche pflege heute e book elsevier 2023 isbn 978 3 437 26779 6

thorax nedir ne demek - Jan 01 2022

amboss pflegewissen thoraxdrainage wissen amboss - Sep 09 2022 web sep 18 2014 das patienteninformationsvideo über die thoraxdrainage klärt umfassend