Not Your Grandfather's Web Any More

Kris Carpenter Negulescu
David S. H. Rosenthal
Front Page

Tax splits EU
Plans to harmonise tax policies across the European Union are placing its members' finance ministers on a collision course.

ALSO:
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- Tax harmony within EU
- Brown threatens veto over tax

Top of the class
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ALSO:
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- School league tables
- Blanket abandon new school progress index

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ALSO:
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- Home Secretary faces no-win decision

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UK
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- Dynamic URIs
- Rich Media
- Incremental loading
- Scripted HTML forms
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Liver Transplantation: An Overview

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University of Wisconsin School of Medicine

The first human liver transplant was performed by Thomas Starzl in Denver in 1963. In the United States, the 5-year survival rate after liver transplantation is 75%, but many patients with liver disease die without ever having had transplantation because of a shortage of organs. Mortality rates are significantly higher in centers that perform 20 transplants or fewer annually. Liver transplantation is appropriate for almost all liver diseases. The decision to transplant is based on 1) assessment of the severity of liver failure; 2) the patient's prognosis on medical treatment; 3) quality of life; and 4) the potential of transplantation to restore patient health. The number of transplants is limited by the availability of donor organs. In 2000 in the United States, there were 17,000 patients on the waiting list: 4579 cadaveric and 371 living related transplants were performed. There were 1347 deaths on the waiting list.

Keywords: liver transplantation; split liver grafts; PERV; marginal donors; extended use organs

History
Thomas Starzl carried out the first human liver transplant in 1963 in Denver. Initially the outcomes were very poor; however, the persistence of Starzl and his team was rewarded and in 1968 Calne set up the second transplant program in Cambridge. Patients were usually very sick at the time of transplant, and few survived the postoperative care. Over the next 2 decades, the numbers of patients grained gradually increased and survival rates improved. There is no one reason for this improvement, but better selection, improved anesthetic and surgical techniques, the use of powerful and specific anti-microbials, and immunosuppressive agents all made significant contributions. In the 1980s, new programs developed primarily in North America and in Europe. Now liver transplantation has become a routine procedure for patients with end-stage liver disease.

The decision to consider liver transplantation is based on

1. An assessment of the severity of liver failure
2. The prognosis for the patient in response to current medical/surgical therapy
3. The quality of the patient's life (as a consequence of the liver disease)
4. The judgment on the potential for liver transplantation to restore the patient's health

The determination of suitability is independent of the underlying diagnosis, and for that reason the conditions for which liver transplantation may be an appropriate therapy constitute a list of almost all liver diseases.

The Donor Organ Shortage
The source for donor livers in the Western world is almost exclusively from heart-beating brain dead donors. Sophisticated schemes are required to identify potential donors, retrieve their organs, and transport the organs to the location of the potential recipient. At the same time, the number of potential recipients awaiting liver transplant continues to grow at a furious pace, outstripping the modest increases in donor numbers. This has meant that there are many more recipients for every donor liver. Thus, in the United States in 2000, there were over 17,000 patients on the waiting list, only 4579 cadaveric transplants done and 371 living related
It was your typical &lt;em id="weather_temp"&gt;LOADING TEMPERATURE&lt;/em&gt;°F day in &lt;em id="city"&gt;LOADING CITY NAME&lt;/em&gt; when Muffin Bukowski was roused from decadent slumber by the ear-throttling shriek of an unidentified avian trespassing on the grounds of her otherwise-serene home, clearly violating Section I, Article 246 of her condo documents.

Groggily stumbling to her bedroom window, Muffin peered through the pristine glass out at &lt;em id="street_address"&gt;LOADING STREET NAME&lt;/em&gt;.

"Are my eyes deceiving me?" Muffin muttered as she lightly rapped her knuckles against her forehead, unable to process the miraculous scene unfolding before her...
function geolocate_story(position) {
    var geo_lat = position.coords.latitude;
    var geo_long = position.coords.longitude;
    // Get weather information
    $jQ.ajax({
        type: 'GET',
        url: 'http://ws.geonames.org/findNearByWeatherXML?lat=' + geo_lat + '&lng=' + geo_long,
        dataType: 'xml',
        success: function (weather_resp, xmlstatus) {
            var temperature_celsius = $jQ(weather_resp).find("temperature").text();
            if (temperature_celsius != "") {
                // Weather temp data given in Celsius; convert to Fahrenheit, because I'm American
                var temperature_fahrenheit = 9/5*temperature_celsius + 32;
                $jQ('#weather_temp').text(temperature_fahrenheit);
            } else {
                $jQ('#weather_temp').text("TEMP NOT FOUND");
            },
            error: function (xhr, status, error) {
                alert(error);
                $jQ('#weather_temp').text("TEMP NOT FOUND");
            }
        },
        error: function (xhr, status, error) {
            alert(error);
            $jQ('#weather_temp').text("TEMP NOT FOUND");
        }
    });
    // Get full location information
    $jQ.ajax({
        type: 'GET',
        url: 'http://ws.geonames.org/extendedFindNearby?lat=' + geo_lat + '&lng=' + geo_long,
        dataType: 'xml',
        success: function (loc_resp, xmlstatus) {
            var city_name = $jQ(loc_resp).find("placename").text();
            if (city_name != "") {
                $jQ('#city').text(city_name);
            } else {
                $jQ('#city').text("CITY NOT FOUND");
            }
            var street_address = $jQ(loc_resp).find("streetNumber").text() + " " + $jQ(loc_resp).find("street").text();
            if (street_address != "") {
                $jQ('#street_address').text(street_address);
            } else {
                $jQ('#street_address').text("ADDRESS NOT FOUND");
            },
            error: function (xhr, status, error) {
                alert(error);
                $jQ('#city').text("CITY NOT FOUND");
                $jQ('#street_address').text("ADDRESS NOT FOUND");
            }
        }
    });
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The Team
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THE WHO SELL OUT

Replacing the stale smell of excess with the sweet smell of success, Peter Townshend, who, like nine out of ten stars, needs it. Face the music with Odorono, the all-day deodorant that turns perspiration into inspiration.

THE WHO SELL OUT

This way to a cowboy’s breakfast. Daltrey rides again. Thinks: “Thanks to Heinz Baked Beans every day is a super day”. Those who know how many beans make five get Heinz beans inside and outside at every opportunity. Get saucy.
What are we trying to achieve?

- Sample the Web
  - Evolution introduces systematic bias
- Need a diversity of collection approaches
  - Internet Archie and Heritrix alone inadequate
- Memento can unify diverse collections